

Visakhapatnam  
Andhra Pradesh - 530013

**MANAS MALLA**

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**Developer. Designer. Student.**

**Founder. Entrepreneur.**

GITAM (Deemed to be University)

Building solutions is my ikigai. I specialize in Android development, Flutter Development, open-source contribution, Swift development and UI/UX design #BeingAForceForChange. My journey has been fueled by a desire to create experiences that are both functional, engaging, intuitive and accessible, empowering individuals and communities. I am always striving to push the boundaries of what's possible with technology.

## HOBBIES & INTERESTS

- Volunteering and community service
- Drawing and digital art
- Open source development
- Cycling
- Exploring new horizons
- Tasting the world's flavors
- Innovating
- Sustainability
- Writing

## LANGUAGE

English - Fluent

Telugu - Fluent

Hindi - Fluent

Sanskrit - Intermediate

## WORK EXPERIENCE

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### Flutter Developer Intern

*Spotmies LLP* • Visakhapatnam • December 2021 - Present

- Developed over 7 production applications using the Flutter framework that include Spotmies app, the partner app, A Square Gokarting, Nandikrushi, Boom Boom Talk, Indie Skull Syndicate (Web3).
- Worked in developing product architectures, learnt various state management techniques and their employment in various production level applications, designed UI/UX and the entire front-end and functionality.

### Flutter Developer (Part-time)

*Ready.io* • Visakhapatnam • October 2023 - Present

- Developed the mobile version for the AI-based interview platform, keeping performance, privacy and usability at the core; integrated clean architecture with BLoC and on-device AI functionality to provide users with the best interview and learning experience.

### **Full-stack Software Developer (Freelance)**

December 2023 - Present

- Developed mobile and web applications for over 3 clients that include Bheeshma Naturals (+Admin panel), Reema Holidays and NeuSpine with the Flutter framework, NextJs and Firebase platforms.

### **Designer (Freelance)**

January 2023 - Present

- Designed mobile and web experiences for over 12 clients that include SSV Classes, Brownie Basket, Dhee, Neuspine, Campus Ride, Breach, Vidhyadhara Kaksha, Vishrambh, Gurujada, Nandan Yoga Center, Bala Vemulakonda, CVK Mohan and Monica Goud.

### **Founder, CEO**

May 2023 - Present

- **STEMQuest Playgrounds Private Limited:** Immersive educational kits blending comics, hands-on activities, and virtual reality to engage young learners in STEM subjects, fostering curiosity, critical thinking, and creativity.
- **The Ananta Innovation Studio (OPC) Private Limited:** Transforming the vision of many ideators into a reality by creating memorable and emotional websites, digital experiences, and native apps with the power of emotion-driven design.

## **COMMUNITY**

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### **Google Product Expert, Android**

January 2023 - Present

Recognized by Google for expertise in Android, actively contributing to the community through product feedback, forum discussions, and user advocacy. Collaborated with the Android team, I played an ambitious role in spearheading the Android Basics with Compose course at the Google Developer Summit. Delivered over 15+ talks on Android development

both in Universities and GDG chapters in the nation at various events that include DevFest Ludhiana, Build with AI Vizag, DevFest Vizag, etc.

### **Organizer**

Google Developer Groups • Visakhapatnam • January 2021 - Present

I spearheaded community initiatives fostering tech education and networking opportunities for aspiring developers. I've been actively involved in organizing events, facilitating programs, and contributing to the community for the past three years. Organized IWD 2024, DevFest 2023, Startup Success Days, I/O Extended 2023, IWD 2023, DevFest 2022, Buildathon, I/O Extended 2022, IWD 2022, etc. and been the lead for the Android, Flutter, design, content, registrations, social media and hosting teams. Built event management platform to manage registrations, deliver e-certificates, shortlist attendees, and automate tasks, making the life of volunteers a lot easier.

### **Compose Camp Lead | Android Study Jams Facilitator**

Google Developer Groups • Visakhapatnam • July 2022 - Present

Facilitated the Android Study Jams program, where I conducted over 10 sessions and trained over 500 attendees on getting started with Compose and Kotlin. Lead the Compose Camp with over 200 attendees guiding through the basics of Compose to building a production-level application. Attended the Google Feedback Summit 2022 at Bangalore.

### **Google Developer Student Clubs Lead**

Gandhi Institute of Technology and Management • Visakhapatnam • January 2021 - Present

Managed a team of 30 students and organized over 18 events involving hackathons, workshops, and talks on Android, Web, Machine Learning and Web with an average attendance of 45 students. Organized the GDSC WoW 2024 conference that included talks, workshops, and a 24-hour hackathon with over 600 attendees from all around the state with prime responsibility in sponsorships, social media management, design, content and overall responsibilities.

## **EDUCATION & CREDENTIALS**

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### **Preschool - 1st**

Northmoor Edison Primary School  
Peoria, IL

**Grade:** A+

Sept 2009 - Jun 2011

### **2nd-10th**

Visakha Valley School

Aug 2011 - May 2020

Visakhapatnam

**Grade:** 94.50%

### 11th-12th

Jun 2020 - Jul 2022

M.P. & E.V. English Medium School

Visakhapatnam

**Grade:** 85.40%

### Undergraduation

Sept 2022 - Sept 2026

Gandhi Institute of Technology and Management

Visakhapatnam

**Grade:** 9.05 GPA

## SKILLS

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### Languages

Assembly	Java	Selenium
Bash	JavaScript	SQL
C	Kotlin	Swift
C#	LOGO	Turtle
C++	Objective-C	TypeScript
CSS/SCSS	PHP	Visual Basic
Dart	Python	Vue
Elixir	QBasic	XAML
GoLang	Rust	XML
HTML	Scratch	

### Frameworks

Jetpack Compose	React/React Native	.NET
SwiftUI	Parse	Unity
TailwindCSS	Mongo	TensorFlow
Next.Js	Flutter	Pandas

Matplotlib	Seaborn	JSON
Numpy	SciLearn	Other
		UI/UX Design

## Tools

Figma	Google Cloud	Adobe Character Animator
Adobe XD	Firebase	Adobe After Effects
Sketch	Git	Adobe Media Encoder
Android Studio	GitHub	Adobe Audition
FlutterFlow	Postman	Raspberry Pi
Swift Playgrounds	Xcode	Gradle
Material	VirtualBox	CMake
Framer	VMware Fusion	ec2
Vercel	Fusion 360	Node.Js
ChatGPT	Blender	Visual Studio Code
Dall-E	Adobe Photoshop	Milanote
Amazon Web Services	Adobe Illustrator	Notion

## PROJECTS

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### Now In Google

- A community platform built to bring together the different developer communities of Google in Andhra Pradesh, Google Developer Groups, Women TechMakers, Google Developer Student Clubs, onto a single unified platform for the audience to leverage, not missing out an opportunity.
- Built using the Flutter framework with clean architecture from the roots and three-level abstraction, supported by the Firebase computing services totally on a free-tier with over 300 live users.
- Supports event creation, attendee registration, shortlisting, planning, team coordination, resource sharing, d-day event-attendee management, swag management, certificate generation, icebreakers, user retention and notifications.

### Svasth360

- Bringing the power of non-invasive monitoring of diabetes, mental health, ECG, cystic fibrosis, and other kidney diseases right to your wrist in the form of an advanced

smartwatch, titled Svasth360, helping us strive for a healthy mind, body and soul through yoga, healthy food, exercise, water, sleep paired with the Aham Svastha app.

- Built with the Arduino platform, it houses sweat sensors, optical heart rate sensors, electrical activity sensor to aid in the smartwatch's working.

### **Aham Svastha**

- Developed Aham Svastha, a holistic wellness app, promoting healthy living through traditional practices like yoga, mindful eating, exercise, hydration, and sleep.
- Features include a comprehensive yoga module, personalized nutrition plans, activity tracking with Google Fit integration, hydration reminders, and a sleep tracker.
- Empowers users to take control of their health and well-being through a holistic approach, promoting a balanced and fulfilling lifestyle.

### **Dash Playground**

- Developed Dash's Playground, a cross-platform tool for simplifying Flutter development setup on macOS, Windows, and Linux using the Flutter framework.
- Provides a user-friendly graphical interface for deploying, installing, and configuring the Flutter SDK and necessary software.
- Enables building Flutter applications for Android and iOS using an integrated code editor, streamlining the development process.

### **EcoFun**

- Developed EcoFun, a mobile app designed to combat climate change by encouraging eco-friendly transportation through carbon footprint tracking and gamification.
- Leveraged Google Activity Recognition Transition API and location data to calculate carbon footprint based on user activity and speed.
- Created a kid-friendly version, EcoFun Jr., that gamifies the experience for young children, promoting environmental awareness.

### **BeCoronaReady**

- Developed "Be Corona Ready," an interactive Swift Playground book designed to educate children about COVID-19 precautions and health practices in a fun and engaging way.
- Utilized SpriteKit, PlaygroundSupport, UIKit, Foundation, and BookCore to create an interactive learning experience for iPad users.
- Employed design skills and assets from online resources to bring the educational content to life, promoting awareness and safety during the pandemic.

### **WVEC Innovators Den**

- Developed "WWEC: Innovator Den," an iOS application designed to foster entrepreneurial thinking and problem-solving skills in young learners through gamified learning experiences.
- Demonstrated commitment to promoting entrepreneurship by completing the project within a tight deadline while balancing other commitments.
- Aimed to inspire creativity, initiative, and confidence in young minds, empowering them to pursue their ideas and navigate future challenges.

### **Dr. Aarogya's Health Record**

- Developed "Dr. Aarogya Health Record," a digital health record solution application designed to streamline and improve access to patient health information.
- The platform provides a secure and user-friendly interface for storing, accessing, and sharing medical records, promoting better healthcare management.
- Aimed to create a more accessible and convenient healthcare experience for everyone, with features such as real-time updates and reminders to enhance health management.

### **CodeFolio**

- Developed CodeFolio, a cross-platform mobile application using Flutter, enabling programming students to document and share their work-based experiences, build online portfolios, and connect with peers.
- Implemented core features like user authentication, project creation, and portfolio management within a user-friendly and intuitive Flutter interface.
- Created a visually appealing and interactive app that empowers programming students to showcase their skills and learn from each other.

### **Avinaya**

- Developed Avinaya, a social impact platform connecting socially conscious investors with impactful projects focused on sustainability and social good, utilizing a comprehensive project profiling system, AI-powered recommendations, and user-friendly interfaces.
- Implemented features such as detailed project descriptions, multimedia content, progress tracking, impact metrics, and financial information to enable informed investment decisions, promoting transparency and collaboration.
- Designed a platform that facilitates partnerships and drives positive change in communities by fostering a sustainable investment ecosystem, aligning financial resources with projects tackling societal challenges.

### **Greetify**

- Developed Greetify, a dynamic web application using Flutter, providing a platform for users to create and send personalized interactive greeting cards with customizable themes, animations, and messages.

- Utilized Flutter's capabilities to build a visually appealing and responsive user interface with features such as template selection, text editing, image uploading, and social media sharing.
- Demonstrated expertise in Flutter web development by building a platform that offers a unique and engaging experience for users to connect with loved ones in a creative and personalized way.

### Progression

- Developed Progression, a Swift Playground app designed to empower individuals during economic uncertainty, providing tools for job searching, skill development, and financial management.
- Implemented features to aid in job application processes, upskilling through relevant resources, and budgeting techniques to navigate financial challenges.
- Leveraged Apple's tools and human design guidelines to create a user-friendly and visually appealing app, offering a solution for individuals navigating a challenging economic landscape.

### CheMystery

- Developed CheMystery, a multi-level Swift Playground game, helping young children learn fundamental chemistry concepts (atoms, molecules, bonds) through engaging gameplay, fostering an appreciation for the chemistry found all around us.
- Utilized Swift Playgrounds to create an interactive learning experience that makes chemistry fun and engaging, especially for those who find traditional learning methods tedious.
- Demonstrated proficiency in Swift development and game design by building a playful educational tool that inspires a love for chemistry through interactive exploration and discovery.

## RESEARCH PAPERS & DEV TALKS

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### Research Paper

Proteomic profiling and ROC analysis identify CD151 and ELAVL1 as potential therapy response markers for the antiviral drug in resistant TNBC, <https://doi.org/10.1016/j.ifs.2023.121534>, <https://www.sciencedirect.com/science/article/abs/pii/S0024320523001686>  
 Quantum Walk. Walking towards a breakthrough at achieving efficiency, Quantum Walk, TCABS-E Visakha Life Sciences & Entrepreneurship Symposium 2021 · Oct 2, 2021. [https://www.tcabse.org/\\_files/ugd/a1924b\\_0f653691e0c248a1af8330b73e64feccd.pdf](https://www.tcabse.org/_files/ugd/a1924b_0f653691e0c248a1af8330b73e64feccd.pdf)

### Talks

- Latest on Android from I/O 2022. I/O Extended Vizag 2022.
- Igniting Jetpack Compose. DevFest Vizag 2022.



- Composing with Jetpack Compose. DevFest Ludhiana 2022
- Building cross-platform with Flutter. GMRIT STEPCONE 2023.
- AI Keynote. Leveraging AI to deliver keynote. IWD Vizag 2023.
- Common Performance Gotchas in Jetpack Compose. IWD Vizag 2023.
- Project Case Study - Now In Google: Vizag. I/O Extended 2023.
- How Meta built threads in only 5 months using Jetpack Compose. DevFest Vizag 2023.  
<https://sessionize.com/app/speaker/session/576169>
- Compose Camp Workshop. Shri Vishnu Engineering College Womens. January 2024.
- Life's too dry? Start getting it wet! Exploring Entrepreneurship. GITAM (Deemed to be University) January 2024.
- Compose Camp Workshop. Ujjain Engineering College. February 2024.
- From Lab to Launch: Exploring Science Entrepreneurship. GITAM (Deemed to be University) February 2024.
- HackBuilding an innovative solution within 12 hours. GMRIT STEPCONE 2024.
- Compose Camp Workshop. Vignan Institute of Information Technology 2024.
- Introduction to Android Development. Google Developer Student Club Andhra University.
- Introducing Gemini Nano: Experience AI magic on-device. Build with AI Vizag 2024.
- Building native performant beautiful applications with Jetpack Compose. GDSC WOW Vizag 2024.

## CERTIFICATIONS

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### **The Complete Android N Developer Course**

Mar 2018 - Aug 2018

#### **Learnings**

Skilled in Android app development using Java and Android Studio, with expertise in Java fundamentals, UI design, data management (SQLite, JSON, webviews), and integrating advanced features like animations, API integration, audio/video playback, and location services. Overall, this comprehensive learning experience has empowered me to confidently tackle diverse challenges in Android app development and effectively contribute to mobile app projects.

The CCA: Java Level 1

**Grade:** 95.00%

The CCA: Java Level 2

**Grade:** 100.00%

### **The Complete iOS 12 & Swift Developer Course - Build 28 Apps**

Jan 2019 - May 2022

#### **Learnings**

Built 28 iOS applications, ranging from fun games to functional clones of popular apps, using Swift and Xcode. My projects showcased my ability to design intuitive user interfaces, manage data effectively, and integrate advanced features like ARKit, CoreML, and Siri Shortcuts. This

hands-on experience has equipped me with a strong foundation in Swift and iOS development, allowing me to translate ideas into engaging user experiences.

The CCA: Swift Level 1

**Grade:** 90.00%

The CCA: Swift Level 2

**Grade:** 90.00%

### **Google Developer Android Basics with Compose**

Jan 2023 - Apr 2023

Acquiring a strong foundation in Jetpack Compose and Kotlin for building modern Android UIs. I learned to design intuitive interfaces, manage app state, and implement features like data persistence, app architecture and networking, using best practices for modern Android development. This course sparked my passion for Android development and has prepared me to contribute to innovative mobile app projects in the future.

### **Cloud Digital Leader Learning Path**

June 2024 - June 2024

Completed the Google Cloud Digital Leader Learning Path, gaining a comprehensive understanding of cloud computing, digital transformation strategies, and best practices for leveraging Google Cloud Platform (GCP) solutions. Developed proficiency in areas such as data analytics, artificial intelligence, security, and cloud architecture.

## **ACHIEVEMENTS**

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- **WWDC20 Swift Student Challenge** *June, 2020*  
Developed a creative Swift Playground project that aided parents and educators to help young children learn about the n-COVID19 virus, symptoms, precautionary steps and protection measures to be taken to stay safe from the pandemic, through a fun game titled "BeCoronaReady".
- **Top 100, Blue Ocean Challenge** *May, 2022*  
Ideated a visionary product that supports the non-invasive monitoring of diabetes, mental health, cystic fibrosis, and other kidney diseases right from your wrist in the form of an advanced smartwatch, titled Svasth360.
- **1st Place, The Int. Assc. of Lions Club** *November, 2019*  
Mathematics, Analytical Thinking, District Level, Visakhapatnam
- **Top 40%, Breakthrough Junior Challenge** *June, 2021*

Researched, directed, acted and animated an educational video on “Quantum Walks and their Applications in Energy Efficiency, Sustainability and Quantum Computing”

- **Winner, ConcART, DevFest India '21** *December, 2021*  
Digitally illustrated an infographic that explores Android 12 and Material You design along with features that help viewers make the most out of their devices.
- **Winner, World Ocean Science Congress** *March, 2018*  
Developed an innovative solution to combat climate change through the power of smartphones and motivation, that allows users to track their carbon footprint caused due to transportation and encourage them to take on eco-friendly transportation methods as and when possible through the app titled “EcoFun” using WHO standards and Google Activity Recognition Transition API. A kid-friendly version of the same is titled “EcoFun Jr.” that gamifies the experience for young children based on the real-world ecological footprint.
- **BUILD** *September, 2023*  
Pitched my venture to bag 1L prototype fund through the “BOLD UNIQUE IDEA LED DEVELOPMENT” - iTIC, IIT Hyderabad
- **Smart India Hackathon** *October, 2023*  
*AutoSmith:* Team Autosmith emerged victorious in the Smart India Hackathon - Internal Software Edition. Our innovative dynamic app and website, designed for on-the-go vehicle repair services during emergencies, secured the win.
- **SmartIDEAthon** *August, 2023*  
STEMQuest achieved a significant milestone by securing a spot in the top 32 semi-finals of Smartideathon 2023 as our first footsteps into entrepreneurship. Our team's innovative solutions and collaborative approach were recognized, showcasing our prowess in tackling complex challenges. This accomplishment not only highlights our technical prowess but also underscores our commitment to pushing the boundaries of STEM.