

# SRI MANIKANTH MARTHA

Full Stack Developer | Data Analyst

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[LinkedIn](#) | [GitHub](#)

## EDUCATION

### Manipal Institute of Technology

B.Tech Data Science and Engineering

CGPA: 8.2

*Minor in Big Data Specialization*

**Relevant Coursework:** DSA, OOPs, OS, Computer Networks, DBMS, ML, Cryptography, CUDA, Big Data

Manipal, Karnataka, India

Sep 2022 - Present

### Samsung | R&D Prism Intern

May 2024 - March 2025

- Led a team in building an XR video player app with OpenXR SDK and OpenGL, enabling support for multiple codecs and high-resolution playback.
- Drove performance optimization and prototyping efforts, gaining hands-on experience in XR systems and immersive media development.

### UpEase | Full Stack Developer

Manipal, India | May 2023 - Jan 2025

- Selected among the top 20 teams globally for Microsoft Imagine Cup Semifinals 2024
- Built and optimized the frontend for an AI-driven Education Management System using Next.js, with reusable UI components and scalable architecture.
- Integrated the frontend with FastAPI, ensuring smooth real-time data flow between client and backend services.
- Contributed to business development through pitch decks, pricing models, and GTM planning, and supported frontend development for the company website

## SKILLS

Programming Languages: C, C++, Python, Java, JavaScript, TypeScript, SQL

Libraries/Frameworks: HTML, CSS, ReactJs, NextJs, REST API, Express, Node, Tailwind, Pandas,

Seaborn, PostgreSQL, MongoDB, Supabase, Hadoop, PySpark,

Tools / Platforms: GitHub, Linux, PostMan, Docker, Axios, React SWR, Power BI, Tableau

## PROJECTS

### RepoPulse

NextJS, TypeScript, PostgreSQL

- Built RepoPulse, a scalable GitHub activity tracker using Node.js, TypeScript, Express, PostgreSQL, Redis, and BullMQ, featuring a polling-based event pipeline with deduplication.
- Developed a multi-tenant Telegram delivery system with per-user repo subscriptions and advanced include/exclude label filters, offering developers a high-signal alternative to GitHub's default notification
- Integrated GitHub OAuth, leveraging 5,000 API requests/hour per user to distribute rate limits, cut token cost to zero, and enable high-volume polling of large Open Source repositories.

### Project Kaksha

NextJS, TypeScript, Python, Supabase, Flask

- Developed an educational platform to transform traditional course materials by integrating interactive features like text-to-speech for PDFs and embedded video players, enhancing accessibility for disabled students.
- Implemented natural language processing and machine learning models for on-demand text summarization and sign language interpretation, improving learning efficiency and engagement.
- Utilized Flask to host machine learning models and Express and Node.js for backend services, ensuring seamless integration and high performance.

## POSITION OF RESPONSIBILITY

### Project V.ARISE | Team Manager

Manipal | Jan 24 - Aug 25

- Managed team operations, including project procurement, financial tracking, budgeting, and coordination, ensuring successful project outcomes.
- Engaged with various higher officials and VC firms during college events, fostering valuable connections and collaboration opportunities

### Apple Developers' Group | Dev Head

Manipal | Nov 23 - July 25

- Mentoring a group of new recruits and building a community for Web Developers
- Led workshops on React and UI/UX design events and workshops for the university technical fest.
- Worked in a community of Developers to test new concepts and mentor new recruits.

## AWARDS & ACCOMPLISHMENTS

- Organized the inaugural AppLabHackExhibit'23 for the Apple Developers' Group at MAHE, Manipal
- Secured 5th position in MIT level hackathon conducted by ISTE Manipal
- Conducted a workshop on Web Development and Wireframing for freshers