

RAMA MANOJA NAGA SAKETH

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PROFESSIONAL EXPERIENCE

Graduate Engineer Trainee | Air India | Gurgaon

July'24 – Present

- Work on the Enterprise Technology projects, focusing on development of Scalable software.

Software Developer | TVS Motors | Bangalore

May'23 – Jul'23

- Conducted Comprehensive Market Research through collaborative product ideation and resulting in the conception of 4 Bike centric games designed, to be incorporated in the TVS Smart Bike Cluster Dashboard.
- Built the logic of the games using C# in Unity Game Engine and applied complex algorithms to enhance gameplay mechanics thereby optimising **framerate by 30%**. Launched them on the cluster dashboard, debugged and tested for bugs and issues.
- Exhibited strong proficiency in Gamification strategies of dashboard led to **60% decrease** in user churn rate & **15% increase** in Customer Satisfaction. Enhanced brand visibility, user interaction, and gameplay by iterative refining and recurring feedback.

Business Development Associate | Kriyaneuro Technologies | Chennai

Jun'22 - May'23

- Coded and operated the company website to increase organic traffic by **27%** and further upgraded the website structure and crawlability to reach out to the individuals with neurorehabilitation needs.
- Collaborated with neuroscientists and therapists to leverage feedback and iterate on the solutions to further streamline the AI product with evolving rehabilitation practices.

Frontend Web Developer Intern | ANVSHN

Sep'21 - Nov'21

- As a team of 3, engineered the E-commerce website using ReactJS framework. Utilised CDN to reduce the website load time from **150ms to 50ms**. Structured programmatic SEO for the website and upgraded google rankings.

EDUCATION

Indian Institute of Technology Madras | Chennai, Tamil Nadu

2020 - 2024

Bachelor of Technology in Civil Engineering, CGPA – 8.17/10

Relevant Coursework: Fundamentals of Operations Research, Intro to Data Analytics, Probability, Statistics and Stochastic Processes, Macroeconomics, Numerical Technology for Engineers, Differential Equations

PROJECTS

Data Science project | 108 Ambulance Project | Guide: Prof. Gita Krishnan

- Administered the **Dashboard** for **108 Ambulance project** for optimizing location, dispatch, and routing of the Ambulances with minimal time. Integrated the codebase in the **Tamil Nadu Government Health Systems Phase 2** to be tested with Real time Medical Emergency Data of Chennai city.
- Achieved a **39% performance enhancement** through redeployment based on **future call prediction**. Initiated live graphs to display real-time **ambulance travel time** from base to accident scenes.

Digital Coupons Mobile Application | CEA Fest | IIT Madras

- **Spearheaded a digital coupons app** using **Angular UX** with **Ionic**. Engineered a productive code and designed a **virtual money balance system** to credit digital coupons in their account, allowing redemption at food stalls for food.
- Enhanced application performance by utilizing **Asynchronous Processing**, resulting in smoother user interactions and enhanced reliability. Continuously contributed in debugging and problem solving the issues in the software to ensure smooth performance.

SKILLS

Programming & Libraries: Pandas, NumPy, Linux, Power BI, C++, Python, C#, SQL, MATLAB, TypeScript, Flutter, Kotlin

Frameworks & Tools: NextJS, MERN Stack, AngularJS, NodeJS, Git, Version Control, Unity Game Engine, Figma, Android Studio, LaTeX

LEADERSHIP AND ACHIEVEMENTS

DevOps Team Head | Civil Engineering Association | IIT Madras | 2022-23

- Led an 8-member team in creating the entire Civil fest website using **Agile methodology**. Revamped a responsive Angular website for user-friendly registrations and fest updates and received **850+ registrations** from students from nearly **105 colleges** across India.
- Organized a successful Campus Ambassador program in Engineering Colleges nationwide, expanding fest publicity by 23% compared to the previous year. Optimised server response time by 50% through minimising server load and implementing caching strategies.

Safety and Security team Super Coordinator | Saarang 2024 | IIT Madras

- Leading a team of 30 coordinators and 120 volunteers and handling a budget of **8 lakhs**, managed **50,000 attendees** for over 5 days, controlling the institute traffic for smooth functioning of the biggest student run fest of India.