Karthik Krishna M

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EXPERIENCE

Project Management Intern
Prediscan MedTech

Present
Remote

- Coordinated a cross-functional team of 5+ members, ensuring delivery of 3 projects.

Full-Stack Developer & Data Scientist Intern
Prediscan MedTech

December 2024 – November 2025
Remote

- Created interactive prototype dashboards using Streamlit, reducing demo preparation time by 40% and facilitating 15+ client presentations.
- Optimized public-facing website with React and Vite, improving lighthouse performance score by 25 points and reducing load time by 1.5s.

Product Engineer Intern
Smartail Pvt Ltd

July 2024 – December 2024
Chennai, India

- Refactored 1000+ lines of legacy Java code, improving code maintainability and reducing technical debt by 30%.
- Optimized RESTful APIs, reducing response times by up to 35%, significantly improving the performance of the Deepgrade Status Tracker.
- Enhanced UI usability for 500+ active users, resulting in a 20% increase in user engagement metrics.

PROJECTS

SkillSync AI: Precision Hiring Powered by AI
Tools Used: NextJs, Python FastAPI, Google Firestore, Google Cloud Storage, Google Vertex AI

- RAG-powered framework processing 50+ resumes/minute with 95% parsing accuracy, reducing manual screening time by 70%.
- Implemented a scalable full-stack architecture using Next.js and FastAPI, leveraging Google Vertex AI for advanced semantic search and Firestore for real-time candidate data management.

Digital Land Registry Application
Tools Used: Flask, MongoDB

- Developed a full-stack Digital Land Registry web application, implementing secure property management with user authentication, admin verification workflows, and real-time auction systems with automated completion scheduling.
- Integrated Divide & Conquer algorithms to search 10,000+ property records, improving query performance by 40%.

EDUCATION

Coimbatore Institute of Technology
M.Sc Decision and Computing Sciences, CGPA: 8.56

Coimbatore, India
2021 – Present

TECHNICAL SKILLS

Frontend: React, Next.js, Angular, TypeScript, JavaScript, HTML, CSS, Bootstrap, Tailwind
Backend: Node.js, Python, FastAPI, Flask, Java
Data Science & AI: Python, Gen AI
Cloud & Infrastructure: AWS, GCP
Databases: MongoDB, MySQL
Developer Tools: Visual Studio Code, Git, GitHub, Docker
Soft Skills: Flexed, Collaborated, Scheduled efficiently, Coordinated tasks

LEADERSHIP & ACTIVITIES

Placement Coordinator

2025 – Present

Facilitated communication between corporate recruiters and the department, ensuring seamless execution of placement drives.

Activities

- **Pragyan 23, National Institute of Technology, Trichy, 2023** : Grant Thornton Lean Six Sigma Yellow Belt - Grant Thornton
- **Hyperverge & SenseAI Hackathon, 2025** : Achieved Top 10 Finalist at the SensAI @ CIT x HyperVerge Hackathon by developing a real-time multilingual AI feedback system with native-script and phonetic transliteration support.
- **redBus Data Decode Hackathon** : Selected participant in the redBus Data Decode Hackathon 2025, developing Python-based models to forecast bus journey demand 15 days in advance using real-world booking and search data.

INTERESTS

Full Stack Development, Web Development, DBMS, Data Structures, Logical Coding, Aptitude Solving