Raam Prathap R V

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Education

Amrita Vishwa Vidyapeetham — Aug. 2023 – Aug. 2027
Bachelor Of Technology, Computer Science and Engineering | CGPA: 8.43/10 — *Coimbatore, Tamil Nadu*

Experience

Full Stack Developer Intern | Sudha Software Solutions | Certificates — June. 2025 – July. 2025
Next.js | Node.js | MongoDB — *Remote*

- Collaborated with a cross-functional team to design and deploy 6+ scalable full-stack modules, improving responsiveness and system reliability.
- Implemented secure authentication, encrypted media storage with Cloudinary, and CI/CD pipelines, reducing deployment time by 35%.
- Presented deliverables to stakeholders and recognized as **Best Intern**, receiving Certificate, Experience Letter, and Letter of Recommendation.

Software Developer Intern | 1000Lookz — Dec. 2024 – Mar. 2025
AI-ML | UI/UX | RAG | GAN | Deep Learning — *Remote*

- Engineered a GAN-powered recommendation system, improving personalization accuracy by 28% and enhancing user engagement.
- Integrated a DeepSeek-based RAG pipeline for PDF QA, cutting retrieval latency by 40% across 200+ documents.
- Worked with UI/UX designers to optimize usability and delivered demos to mentors, resulting in 3x faster interaction flow during testing.

Projects

Lab Equipment Management System (LEMS) | Frontend | Backend | Demo

- Developed a full-stack equipment management platform using Next.js, Node.js, and MongoDB with secure authentication, modular microservices, and real-time request tracking.
- Adopted by Amudha Lab (Amrita Vishwa Vidyapeetham) to manage 100+ assets, automating 90% of requests and reducing manual workflow time by 75%.
- Implemented robust API architecture and responsive design ensuring scalability, data integrity, and consistent user experience across devices.

Growgle – Agentic AI Career Intelligence Platform | GitHub | Demo

- Architected a multi-agent AI system using Google Agent Development Kit (ADK), exposing 7 autonomous agents (career planning, skill-gap analysis, job matching, RAG intelligence, feedback adaptation) via secure REST APIs.
- Built a RAG-powered intelligence pipeline combining vector embeddings and structured datasets to deliver contextual career insights, job fit scoring, and adaptive roadmaps at scale.
- Applied secure API controls, request validation, and usage-level monitoring across agent interactions to protect data flow, analyze agent behavior, and ensure reliable execution of AI-driven workflows.

Intelligent Image Classifier Platform | GitHub | Demo

- Implemented a CNN-based classifier (11M+ parameters) achieving 91.7% accuracy and deployed via Flask.
- Optimized model delivery using Google Drive API and Render for efficient real-time inference.

Technical Skills

Programming Languages: C, C++, Python, Java, JavaScript, TypeScript, SQL (MySQL), Haskell
Web Development & Frameworks: React.js (TypeScript/JavaScript), Next.js, Node.js, Express.js, Flask, FastAPI
State Management & API Handling: Redux, Redux Toolkit, Zustand, Tanstack Query, RESTful APIs
Databases & Backend Systems: MongoDB, MySQL, Firebase, Cloudinary Integration, Authentication & Authorization
Software Engineering Practices: Object-Oriented Design, Agile & Scrum Methodology, SDLC, Version Control (Git/GitHub), CI/CD
Machine Learning & Data Analytics: TensorFlow, Scikit-learn, OpenCV, Data Visualization, Power BI, Microsoft
Cloud & Deployment Tools: Render, Docker (basic), Cloud Hosting & Monitoring
Operating Systems: Linux (Ubuntu), Windows

Awards / Extracurricular

- Built 'MedConnect' in a 24-hour sprint, winning 1st Place at Anokha Techfest.
- Winner, **Vertex Innovate 2025** | Awarded for excellence in real-world tech application. | *View Certificate*
- Finalist, **Cisco ThingQubator** | Recognized among top 10 of 500+ entries for designing an IoT-based accident detection system, enhancing real-time emergency alerts.