Raam Prathap R V

103-B, Saravana Nagar, Koundampalayam, Coimbatore, Tamil Nadu 641030

📞 7418258506 ✉️ raamprathap17242@gmail.com in Linkedin ⚙ GitHub 💼 Portfolio

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.

Sociogram \| GitHub \| Demo
- Developed a real-time chat app using React, Node.js, WebSockets, and MongoDB for secure text and image messaging.
- Optimized backend for <200ms latency and integrated Cloudinary for media storage with responsive UI.

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
UI/UX & Frontend Technologies: HTML5, CSS3, Tailwind CSS, Bootstrap, ShadCN, Motion, Lottie, Figma, Responsive Design, Accessibility (WCAG 2.0)
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 Excel
Cloud & Deployment Tools: Render, Docker (basic), Cloud Hosting & Monitoring
Operating Systems: Linux (Ubuntu), Windows

Awards / Extracurricular

- Finalist, **Cisco ThingQubator** \| Recognized among top 10 of 500+ entries for designing an IoT-based accident detection system, enhancing real-time emergency alerts.
- Winner, **Vertex Innovate 2025** \| Awarded for excellence in real-world tech application. \| *View Certificate*
- Volunteer \| Model United Nations Event Management \| Contributed to organizing and managing MUN events, coordinating logistics, and ensuring smooth operations. View Certificate