Raam Prathap R V

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

Education

Amrita Vishwa Vidyapeetham	**Aug. 2023 – Present**
*Bachelor Of Technology, Computer Science and Engineering	CGPA: 8.55/10*	*Coimbatore, Tamil Nadu*

Experience

**Full Stack Developer Intern	Sudha Software Solutions	Offer Letter**	**May. 2025 – Present**
*Next.js	Node.js	MongoDB*	*Remote*

- Delivering end-to-end features across frontend and backend, building production-ready modules with pixel-perfect UI and secure, scalable REST APIs.
- Frontend: Developing responsive and dynamic interfaces using Next.js, React, Tailwind CSS, Redux, Axios, and Framer Motion.
- Backend: Building robust APIs and data pipelines with Node.js, Express, MongoDB, Zod, Multer, Cloudinary, Passport.js, and Resend.
- Gained practical exposure to real-world development workflows including API versioning, role-based authentication, environment-driven configs, and CI/CD pipelines.

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

- Engineered an AI-driven hairstyle recommendation system using GANs, enhancing personalization and improving user engagement through an optimized UI.
- Implemented a Retrieval-Augmented Generation (RAG) model using DeepSeek for PDF-based question answering, reducing information retrieval time by 40%.

Projects

Bird Species Classifier | GitHub | Demo

- Built a deep learning web application for bird species identification using a custom-trained CNN.
- Implemented a multi-layer convolutional model with over 11M parameters for high accuracy predictions.
- Developed a web interface using Flask, HTML, and CSS with image upload functionality and responsive result display.
- Integrated Google Drive model hosting and deployed the app on Render for seamless access.

Sociogram v2 | GitHub | Demo

- Developed a modern chat application enabling real-time text and image messaging among registered users via email authentication.
- Engineered backend infrastructure with Node.js, Express.js, and WebSockets for seamless instant messaging.
- Built responsive frontend using React.js, Tailwind CSS, and Vite.js, with secure image storage via Cloudinary.
- Implemented user authentication and profile management features for enhanced user experience.

Post-Accident Alert System | Frontend | Backend | Demo

- Engineered a real-time system for detecting and reporting accidents to improve road safety.
- Built backend using Node.js, Express.js, and WebSockets for real-time communication and emergency broadcasting.
- Developed frontend dashboards for clients, drivers, and hospitals with role-based authentication and responsive UI.
- Integrated nearest hospital finder and emergency alert broadcast for efficient emergency response.

Technical Skills

Languages: English (fluent), Tamil (fluent), Hindi (basic proficiency), Japanese (basic proficiency)
Programming Languages: C, C++, Python, Java, JavaScript, Haskell, SQL (MySQL)
Web Development: HTML5, CSS3, React.js, Vite.js, Node.js, Tailwind CSS, Bootstrap, Flask, FastAPI
Databases & Backend: MySQL, MongoDB, Firebase, RESTful APIs
Machine Learning & AI: TensorFlow, PyTorch, GANs, OpenCV, Scikit-learn, Transformers, Retrieval-Augmented Generation (RAG), DeepSeek
Developer Tools: VS Code, Eclipse, Android Studio, Git, GitHub, Google Cloud Platform
Embedded Systems: Raspberry Pi, ESP32, Arduino
Design & Analytics: Figma, Power BI, Microsoft Excel
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