Tharun Kumarr A

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Education

Amrita Vishwa Vidyapeetham   **Sep 2022 – Sep 2026**
BTech, Computer Science
Grade: 8.96

Work Experience

LogicFlo AI   **Oct 2024 – Dec 2024**
Full-Stack Developer Intern

- Delivered 5+ production-ready features for a live AI application, demonstrating expertise in React frontend and Django backend frameworks.
- Optimized interactive interfaces using React Flow and React Tool Builder, enhancing user experience by 35% and reducing page load times.
- Integrated multiple external libraries within an agile development workflow, ensuring a clean and scalable code architecture.
- Collaborated in a fast-paced startup environment to deliver high-impact technical solutions, increasing user retention by 20

Projects

SustAIn — *React.js, Flask, ML, Chrome Extension, Vertex AI, AutoML, Express.js* — ⭘ GitHub — 🔗 Link

- Co-developed a browser extension to display real-time carbon emissions and power consumption metrics while users interact with AI-powered web platforms; used by over 25 users. (Submitted for GDG On-Campus Solutions Challenge 2025)
- Trained and deployed a lightweight classification model using Google AutoML on Vertex AI to automatically classify user queries and estimate their environmental impact with 98% average prediction confidence.
- Engineered an intuitive, performance-optimized frontend alongside resilient API handling mechanisms featuring retry, fallback, and timeout logic—reducing latency spikes by 40% and ensuring a seamless user experience for displaying sustainability metrics.

Pragati '25 (University Business Fest) — *Next.js, Node.js, Tailwind CSS, GSAP, Vertex AI* — ⭘ GitHub — 🔗 Link

- Spearheaded a 14-member team as Project Coordinator and Frontend Co-Lead, implementing UI/UX improvements that boosted revenue by 25%.
- Transformed the mobile UI/UX design, doubling daily active mobile users and reducing bounce rates by 15% through intuitive navigation.
- Led the integration of key features, including an AI-powered chatbot using Vertex AI and a PayU payment system, driving 360+ successful event registrations.

Molecule Visualizer — *React.js, Node.js, Google Bard API, Material UI, Plotly.js* — ⭘ GitHub — 🔗 Link

- Engineered a React.js molecular visualization app supporting detailed 3D rendering for 100+ molecular models with 90% calculation accuracy.
- Established interactive features enabling real-time manipulation of complex molecular structures, reducing analysis time by 40% for researchers.
- Leveraged Google Bard API to streamline data retrieval, eliminating local storage requirements and improving data processing speed by 60%.

Technical Skills

Programming: C, C++, Python, Java, MySQL, SQLite, PostgreSQL
Web Development: Next.js, React.js, Vue.js, Node.js, Express.js, Flask, HTML, CSS, JS, Tailwind CSS
Tools: Git, GitHub, Postman API, Linux, Figma, Eclipse, Visual Studio Code

Extra-curricular Activities

National Service Scheme (NSS)
Student Coordinator

- Coordinated and conducted 7+ successful events, including Drug Awareness Week, Blood Donation Camp, and Mental Health Marathon, enhancing community engagement and awareness.
- Managed a 6-day NSS Special Camp for 50+ students, overseeing social work activities, and ensuring effective decision-making and team coordination.

ACM Student Chapter, Amrita School of Engineering
Technical Mentor & Workshop Facilitator

- Led a workshop on Web Development and Frontend Technologies for 160+ students, and coordinated a hackathon with 50+ participants, mentoring project development and judging final presentations.
- Moderated Amrita Winter of Code 2024, overseeing 300+ students, releasing 7,000+ bounties, and mentoring contributors across 20+ repositories to foster technical engagement and collaboration.