

ADITHYA MONISH KUMAR K

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SUMMARY

Full-stack and AI enthusiast with experience in building scalable web and mobile applications and integrating AI models to them.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, HTML, CSS, C/C++, Java, Python, Dart, SQL
Frameworks & Tools: React, Node.js, Flutter, TensorFlow, PyTorch, Hugging Face, Git, Docker, Vite
Cloud & Databases: AWS, MongoDB, MySQL, Supabase
Concepts: OOP, DSA, DAA, ML, DBMS, UI/UX Design, Foundations of Cybersecurity

EXPERIENCE

Amrita Automotive Research and Technology Centre (AARTC) <i>Research Intern</i> <ul style="list-style-type: none">Conducted research as part of the perception team on a BEV-based autonomous driving system.Worked on BEV and model training, including dataset preparation and training pipeline refinement.	Oct 2025 – Present Coimbatore, India
Sony SSUP <i>Product Intern</i> <ul style="list-style-type: none">Developed AgroESP Mobile App offering real-time and historical data monitoring of the Polyhouse.Integrated SSE for real-time sensor data, image updates, and chart rendering.Developed query and graph pages; implemented responsive UI and live updates for data/image feeds.Deployed application to Google Play Store (Testing phase).	Jan 2025 – Sep 2025 Coimbatore, India

PROJECTS

LifeLeveler <i>React, TypeScript, Vite, Tailwind CSS, Supabase, Node.js</i> <ul style="list-style-type: none">A gamified life management app transforming daily tasks into an RPG adventure.	2025
Secure-Digital-Key-Asset-Checkout-System <i>TypeScript, React, Node.js, Security</i> <ul style="list-style-type: none">Developed a full-stack web application for securely managing physical and digital asset checkout with enterprise-grade security features.	2025
Learn-and-Exchange-Platform <i>TypeScript, React, Node.js, Real-time Updates</i> <ul style="list-style-type: none">An end-to-end web application for learning, bartering skills, and collaborating through tasks, offers, chat, reviews, and support tickets.Built with a modern TypeScript stack and implemented real-time updates for seamless user interaction.	2025
Persona-Driven-Document-Intelligence-Engine <i>Python, SentenceTransformers, LightGBM</i> <ul style="list-style-type: none">Built a semantic matching engine that ranks PDF sections for specific user personas using fine-tuned SentenceTransformer and cosine similarity scoring.Designed a multi-stage relevance scoring framework combining title similarity, content embeddings, and subsection summarization.	2025

CERTIFICATIONS

AWS Academy Graduate - AWS Academy Cloud Foundations Certification
Google Cybersecurity Specialization Certificate - Including 8 other Course Certifications that need to be done for it.
Google AI Essentials Certification

EDUCATION

Bachelor of Technology in Computer Science and Engineering <i>Amrita Vishwa Vidyapeetham, Coimbatore</i> <ul style="list-style-type: none">CGPA: 7.59 (3rd Year)	Aug 2023 – July 2027
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