

Adith Narayan G

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SUMMARY

Computer Science undergraduate with strong foundations in data structures, algorithms, systems programming, and full-stack development. Experienced in building production-grade embedded systems applications and real-time computer vision deep learning interfaces. Mathematically inclined engineer who values first-principles thinking, rigorous documentation, and deep technical understanding to deliver reliable, scalable solutions.

WORK EXPERIENCE

Qualitrix (Product Development Intern)

Apr 2025 – Jun 2025

- Strengthened marketing and developer outreach by designing campaign assets and collaborating across teams, improving engagement consistency and visibility.
- Initiated and helped organize a developer-focused hackathon; engineered the complete promotional website, enabling smoother onboarding and event communication.

Axiatix (SDE Intern)

May 2025 – Jun 2025

- Developed and integrated RESTful APIs using Flask, improving backend communication reliability and reducing latency across internal services.
- Engineered cross-platform Flutter applications used by the internal team, integrating PyTorch-based ML models to enhance feature capability and responsiveness.
- Implemented LLM-powered RAG pipelines to deliver context-aware interactions, improving the product's usability and reducing manual intervention.

PROJECTS

CosmoNaut - Native Desktop API Studio

[Website](#)

A cross-platform desktop API client built with Tauri (Rust) and Next.js 15 for native performance and a polished glassmorphic UI. Supports structured HTTP request building, authentication, workspaces, collections, SSE and automated history with local persistence. Architected with clean frontend-backend separation, leveraging a Rust `request` core for secure networking, SSL handling, and classified error reporting.

Smart Announcement System

[GitHub](#)

IoT-based announcement system using an STM32 microcontroller for control and an ESP8266 dashboard for remote triggers and digital logging. Improved reliability compared to manual PA systems in educational environments.

Gokulashtami 2025 – Navarasa

[Link](#)

Interactive mobile web experience accessed by hundreds of students during the festival, showcasing nine classical emotions of Indian art through multimedia visuals, multilingual audio explainers, synchronized captions, and immersive soundscapes.

AIRcursor – Gesture-Controlled Virtual Cursor

[GitHub](#)

AI-powered gesture-controlled cursor achieving stable real-time (30 FPS) hand and finger tracking, enabling intuitive touch-free cursor control, gesture clicks, and customizable desktop actions.

EDUCATION

2023 – 2027	B.Tech CSE at Amrita Vishwa Vidyapeetham, Coimbatore	GPA: 9.08/10.0
2023 – 2027	B.Tech IoT (Dual Degree), at Amrita Vishwa Vidyapeetham, Coimbatore	GPA: 9.5/10.0
2022	Class 12th CBSE Board	93.8
2021	Class 10th CBSE Board	94.2

SKILLS

Languages	Python, C/C++, Java, Haskell, Bash, HTML, CSS, JavaScript, Flutter
Frameworks and Libraries	ReactJS, TailwindCSS, NextJS, Tauri, Reqwest, Flask, MySQL, Socket Programming, NumPy, Pandas, NLTK, Embedded Programming (STM32, Arduino, ESP32)
Design and Development	Canva, Figma, Blender (3D designing), Git/GitHub
Core Computer Science	Object-Oriented Programming (OOP), Operating Systems, Computer Networks, Database Management Systems (DBMS), Data Structures and Algorithms (DSA)