

# 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 `reqwest` 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 <b>Amrita Vishwa Vidyapeetham, Coimbatore</b>	GPA: 9.08/10.0
2023 – 2027	B.Tech IoT (Dual Degree), at <b>Amrita Vishwa Vidyapeetham, Coimbatore</b>	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)