ADITYA KANU

Bangalore, Karnataka, India

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Education

Degree	Institute	Board / University	CGPA/Percentage	Year
B.Tech EIE	National Institute of Technology , Agartala	NIT Agartala	7.99	2021-2025
Senior Secondary	Modern Higher Secondary School	CBSE	86.4%	2021
Matriculation	Golden Valley Higher Secondary School	TBSE	90%	2019

Relevant Coursework

- Data Structures and Algorithms
- Artificial Intelligence and Expert Systems
- Data Communication and Networking
- Object Oriented Programming in Python

Experience

Zscaler   **Feb 2025 – Present**
Intern - Software Development   *Bangalore, Karnataka*

- Optimized a critical **Kusto** (KQL) query on **Azure**, cutting execution time by over **80%** (from >60s to <12s).
- Utilized **Telemetry Pipelines** to detect anomalous crashes in real-time, improving Incident response efficiency.
- Collaborated with an 8-member offshore team across India and San Jose to synchronise on sprints goals.
- **Debugging log files** using **WinDBG** to to investigate root causes of bugs and system failures improving reliability.

Qrit   **Mar 2024 - Jul 2024**
Backend SDE Intern (GoLang)   *Remote*

- Implemented authentication flow using **Google auth**, & thoroughly tested it with various edge cases using **Postman**.
- Enhanced security by integrating session management using **Gorilla/session** library preventing unauthorized access.
- Researched optimal encryption techniques & benchmarked our options GoCrypto & Tink for backend data security.
- Wrote **unit tests and integration tests** for all the APIs and Services developed covering a wide range of test cases.
- Utilized Docker for isolated testing of individual microservices in the GoLang backend, ensuring successful functionality.

Projects

Memphi UI | *Next JS, Tailwind, Shadcn*   🔗(Live) ⭘(Source Code)

- Developed Memphi UI, a themed React/Tailwind component library with Memphis, doodle, and neobrutalist aesthetics.
- Wrote scripts to auto-generate component registry files compatible with the shadcn CLI, enabling one-line installs.
- Deployed the registry and documentation to Vercel, enabling live previews and **"Open in v0"** support.

Ambinest | *NextJS, Typescript, Web Audio API*   🔗(Live) ▶(Demo)

- Designed and developed a visually immersive ambient sound web app with a focus on minimalist UI/UX.
- Ranked 29th **on Peerlist** and 35th **on Product Hunt** (out of 500+ daily entries), with **100+ organic users** in the first week of launch, demonstrating strong community traction.

NITA Placement Connect | *ReactJS, Express, MongoDB, Shadcn, Typescript*   🔗(Live) ▶(Demo)

- On-Campus Placement Portal, reducing manual entry errors by an ≈**87%** compared to traditional Google Forms.
- Implemented role-based access control, enabling secure data management for admins, coordinators, and students.
- Using MongoDB's aggregation framework, reduced the time to generate various student reports by ≈**70%**.
- Contributed to frontend and backend, collaborating with my team using Git and deploying it on Vercel and Render.

AroSneha: AI-Powered Health Companion | *Next.js, Supabase, OpenRouter, Typescript*   🔗(Live) ▶(Demo)

- Engineered an end-to-end personal health platform to parse medical reports and deliver contextual AI insights.
- Built the MVP in 6 hours with a focus on modular architecture, enabling future expansion into doctor collaboration.

Technical Skills

Languages: C++, Go, Javascript/Typescript, KQL(Kusto Query Language), SQL
Libraries/Frameworks: Mux, Gorilla/Sessions, Node JS, Express, React JS, Mongoose
Technologies: Docker, Linux(Debian), Git, Github, MongoDB, Postgres, Grafana, ComfyUI (GenAI)

Leadership / Extracurricular

Training and Placement Coordinator: Secured internship opportunities for 65+ students & new relations with 10+ orgs.

Head of Technical Operations (Entrepreneurship Cell): Leaded the development of **recycool.ecellnita.in**, a resale website for students to buy and sell used items & **RidePool a ridesharing App**.

Problem Solving: Solved 400+ Problems across Leetcode/adityakanu, Codeforces/adityakanu and CSES Problem set

Hackathon, Qualified for **Semi-Finals** in Gen AI Buildathon 2.0 with sponsors as 11ElevanLabs

Gold Medalist, Regional Gold Medalist for Silverzone International Olympiad with International rank of 939