Aayush Siwach

 github.com/aayushsiwa — in linkedin.com/in/aayush-siwach — ⊕ aayushsiwa.is-a.dev

Education

Kalinga Institute of Industrial Technology
B.Tech in Computer Science & Engineering – 2022-26

Army Public School, Narangi
Class XII (Senior Secondary) – 2022

Skills

Languages – C/C++, Java, Python, JavaScript, TypeScript, HTML/CSS

Databases – MongoDB, PostgreSQL, MySQL, Supabase

Frontend – React, Next.js, TailwindCSS

Backend – Node.js, Django, Flask, FastAPI

Tools – Git, Docker, AWS, Google Cloud

Certifications

AWS Cloud Foundations – AWS Academy

Introduction to Generative AI – Google Cloud Skills Boost

React Front-End Development – Coursera (HKUST)

Python for Everybody – Coursera (University of Michigan)

Python Data Structures – Coursera (University of Michigan)

Introduction to Data Science – Coursera (University of Washington)

Data Analysis with Python – freeCodeCamp

Responsive Web Design – freeCodeCamp

Projects

Job Listing Platform ⬏ — *Flask, PostgreSQL, HTML/CSS*

Built a full-stack job board with auth, search, and application tracking

Optimized database queries and designed mobile-friendly UI

 GitHub Repository

Robofleet Dashboard ⬏ — *FastAPI, React, TailwindCSS*

Interactive dashboard to monitor/control robotic fleets in real-time

Used React with WebSocket for dynamic updates and control panels

 GitHub Repository

ROS Log Viewer ⬏ — *FastAPI, React, TailwindCSS*

Web viewer for Robot Operating System (ROS) logs with search/filter

Designed interface for navigating and visualizing nested log data

 GitHub Repository

IoT Asset Tracking ⬏ — *Next.js, Supabase*

Asset tracking platform using live data from IoT sensors and Supabase

Integrated map view and real-time asset updates

 GitHub Repository

GenieTalks ⬏ — *React, TailwindCSS, Gemini API*

AI-powered chatbot using Gemini API with modern UI/UX

Supports conversation history and mobile responsiveness

 GitHub Repository