AKSHAT GIRDHAR

Delhi, India

✉ akshatgirdhar05@gmail.com   in Akshat Girdhar   ⬤ github.com/akshatg5   👤 Portfolio

EDUCATION

Maharaja Surajmal Institute of Technology, IPU   *2020 – 2024*
Bachelor of Technology in Electronics and Communication   *8.7 CGPA*
Ahlcon International School   *2018 – 2020*
Class XII   *92.4%*
Ahlcon International School   *2016 – 2018*
Class X   *93.4%*

EXPERIENCE

SDE-1 at GRID-OS   *February 2025 – Present*
Delhi, India

- Designed and built an **end-to-end GPS management platform**, with a **multi-threaded TCP server** for concurrent device data ingestion, an **HTTP service** layer using **Flask (Python)**, and a real-time dashboard.Implemented **MongoDB** as the database with a queue-based command architecture to enable remote device control, **boosting operational efficiency by 50%+** ↗
- Developed automated in-line quality control testing application using UART communication, achieving **80%+ reliability**, and integrated dynamic label generation to streamline production and eliminate manual processes.
- Contributed to firmware development in C for GPS tracking devices, with **1,000+ units deployed** in real-world environments.
- Led end-to-end development of Govt.Standard GPS Module, including firmware design on ESP32 MCUs in C, client interaction, and project management, ensuring a seamless development process.

Full Stack Developer at Koshiqa   *April 2024–January 2025*
Delhi, India

- Developed the company's main website, significantly enhancing user engagement metrics.
- Built 25+ real-time dashboards and internal tools to enhance data analysis and streamline support, boosting team productivity.
- Implemented a referral system, boosting user acquisition and improving the new user addition rate.
- Worked with technologies like Node.js, React.js, Tailwind CSS, AWS, Docker

PERSONAL PROJECTS

VoteTube   *2024-2025*
NEXT.js, TypeScript, PostgreSQL, Tailwind CSS

- A **collaborative platform** for group playlists where users can vote on songs and videos to determine playback order.
- Implemented **real-time leaderboard synchronization** with live voting and instant updates across all connected users.
- Launched in a real-world environment with active usage by over **150+ users**, driving consistent engagement and feedback.

Leet-Rank   *2024-2025*
Next.js, Tailwind CSS, PostgreSQL, Prisma, Vercel, GraphQL

- **Developed an interactive web application** enabling users to compare their LeetCode performance across colleges.
- **Implemented secure authentication and onboarding** using Next.js and Prisma, ensuring data integrity and scalability.
- **Currently handling 300+ users**, enabling them to compete with their peers in college/community.

LiteKite   *2024*
React, Flask, Python, PostgreSQL

- Built a stock broker simulation platform for **100+ users** to test trading and investment strategies in a risk-free environment.
- Integrated **real-time stock data, AI-driven insights**, and comprehensive market info for a realistic brokerage experience.

SKILLS

- **Languages**: JavaScript, TypeScript,Python, C
- **Frameworks**: React, Flask, Node.js, Next.js
- **Databases**: PostgreSQL, MongoDB
- **Tools**: VSCode, Git/GitHub, Docker, Figma, AWS, Cloudflare

CERTIFICATIONS

- Google IT Automation with Python (Coursera)
- CS50's Web Programming with Python and JavaScript (Harvard University) - Projects Playlist