

AKSHAT GIRDHAR

Delhi, India

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in [Akshat Girdhar](#)

github.com/[akshatg5](#)

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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 a **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.
 - Developed a **mock UPI payment** platform leveraging **MQTT-based** event handling to facilitate end-to-end testing and deliver seamless, interactive product demos with QR-Boxes.
- **Full Stack Developer at Koshiqa** September 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 leader-board 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 450+ 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