

AKSHAT GIRDHAR

Delhi, India

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[Portfolio](#)

EDUCATION

• Maharaja Surajmal Institute of Technology, IPU	2020 – 2024
<i>Bachelor of Technology in Electronics and Communication</i>	8.7 CGPA
• Ahlcon International School	2018 – 2020
<i>Class XII</i>	92.4%
• Ahlcon International School	2016 – 2018
<i>Class X</i>	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.	
– Led firmware design and development in C for GPS tracking devices following AIS140 standards	
– 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
<i>NEXT.js, TypeScript, PostgreSQL, Tailwind CSS</i>	
– 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
<i>Next.js, Tailwind CSS, PostgreSQL, Prisma, Vercel, GraphQL</i>	
– 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
<i>React, Flask, Python, PostgreSQL</i>	
– 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