

# AKSHAT GIRDHAR

Delhi, India

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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 deployed a complete IoT tracking ecosystem with **TCP/HTTP servers, Dockerized infrastructure, and an Electron-based real-time dashboard** for GPS device monitoring, achieving 50%+ improvement in operational efficiency.
  - Engineered automated in-line quality control testing using serial communication, achieving **80%+ reliability**, and integrated dynamic label generation to streamline production and eliminate manual work.
  - Contributed to firmware development in C for **GPS tracking devices**, with **1000+ units deployed** in real-world environments.
  - Developed key features for the Soundbox system, including **MQTT broker integration**, and **HTTP connectivity**, as part of its embedded firmware.
  - Led client engagement for the GPS product across **5+ deployments**, managing onboarding, on-site testing, and support.
- **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 **125+ 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 200+ 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:** HTML, Python, JavaScript, TypeScript, 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](#)