

# Akash Ahmad Malik

Full Stack Software Engineer

B.Tech - Computer Engineering, New Delhi

Phone: +91-9103597816

Email: aakashbwd@gmail.com

GitHub | LeetCode | Portfolio

## EDUCATION

- Bachelor of Technology (Computer Engineering) CGPA: 7.55 / 10 (75.5%)  
Nov 2022 – Aug 2026  
*Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi*
- Senior Secondary (Class XII) Percentage: 86.6%  
Nov 2019 – Dec 2021  
*JK Board of School Education*
- Secondary (Class X) Percentage: 93.6%  
Nov 2017 – Nov 2019  
*JK Board of School Education*

## PERSONAL PROJECTS

- DriftPro – Paytm for Desktop Jan 2025 – Present  
[Link](#)  
*Self-Guided Full Stack Project*
  - Developed a secure full-stack digital payment platform using Next.js, PostgreSQL, and Prisma in a Turborepo monorepo architecture.
  - Implemented OAuth authentication, wallet transactions, and Redis-based caching for high performance.
  - Dockerized the app and automated CI/CD using GitHub Actions.
  - Simulated bank webhooks and real-time transaction notifications for a production-grade experience.
- Apple Scab Estimation Using CNN and Grad-CAM Aug 2025 – Present  
[Link](#)  
*Minor Project (Semester 7)*
  - Implemented a CNN model achieving 90% accuracy in detecting apple scab disease from leaf images.
  - Used Grad-CAM visualization, data augmentation, and hyperparameter tuning for improved generalization.
- MediumPro – Publishing Platform Dec 2024 – Jan 2025  
[Link](#)  
*Self-Guided*
  - Developed a content publishing platform using React.js and Tailwind CSS with a Hono + Prisma backend.
  - Optimized DB schema and API routes for scalability and efficient content rendering.
- College-Based Database Management System Mar 2024 – May 2024  
[Link](#)  
*Minor Project (Semester 3)*
  - Built a role-based admin and staff management system using React, Express, and MongoDB.
  - Designed normalized DB schema and ER diagrams for attendance, marks, and schedule management.

## TECHNICAL SKILLS

- Programming Languages: C, C++, JavaScript, TypeScript, Python, SQL, Java, HTML/CSS
- Frameworks & Libraries: React.js, Node.js, Express.js, Next.js, Tailwind CSS
- Systems & OS: Linux Environment, System Programming, Multithreading, Parallel Processing
- Databases: MySQL, PostgreSQL, MongoDB, Prisma ORM
- Cloud & DevOps: Docker, AWS (EC2, S3), Redis, GitHub Actions CI/CD
- Developer Tools: VS Code, Git, Ubuntu Linux, Monorepos

## RELEVANT COURSEWORK

- Core CS: Data Structures & Algorithms, Operating Systems, Computer Networks, Compiler Design, DBMS, Data Mining, Mobile Computing & IoT, Computer Vision, Parallel and Distributed Computing
- Other Courses: Shell Scripting, Embedded Systems, Software Engineering.

## ACHIEVEMENTS / HONORS

- Foundation for Excellence (FFE) Scholar, Selected as an FFE Scholar, Class of 2022. 2022
- JEE Mains Qualified, Scored 95.11 percentile among 1M+ candidates. 2022
- JEE Advanced Qualified, Secured AIR 26,380 among 200k+ candidates. 2022

## EXTRACURRICULAR ACTIVITIES

- Competitive Programming, Solved 600+ DSA problems across major coding platforms. Ongoing
- Inter-Departmental and Inter-Faculty Cricket Tournament, Runner-Up, Team Member. 2023, 2025