

# SAMAR ABBAS

Roorkee, Haridwar, Uttarakhand 247656

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## Education

### Aligarh Muslim University

Bachelor of Technology in Computer Engineering — CPI: 8.1

Sep. 2022 – May 2026

Aligarh, Uttar Pradesh

## Relevant Coursework

- Data Structures
- DBMS
- OS
- Software Engineering
- OOP
- CN

## Experience

### Apna Darzi [\[Link\]](#)

Oct 2024– Jan 2025

Software Development Intern

remote

- Developed a MERN stack web app (deployed on Hostinger) and React Native mobile app (Google Play Store) with PWA capabilities, admin panel, and real-time category management via RESTful APIs.
- Implemented Google Analytics and custom event tracking, increasing feature engagement by 25%, and built a push notification system that improved retention by 20%.
- Optimized frontend performance, reducing data sync delays by 40% through dynamic API integration and efficient state management.

### The Amulate Program [\[Link\]](#)

June 2024– Sept 2024

Software Development Intern

remote

- Selected among the **top 2 students** to design and develop an **Automated Android OS testing platform**, reducing manual testing effort by over 70%.
- Automated mobile operation testing via a single PC using ADB and AdbKit, accelerating test cycles by 50% and enhancing test reliability by 40%.
- Mentored by **Leonardo Davinci Darwin, DFT Engineer at Arnhem, Gelderland, Netherlands**, adopting industry-standard best practices.

## Projects

### TubeGate – Automated YouTube Publishing Platform [\[Link\]](#)

May 2025

- Automates the process of publishing YouTube videos shared by editors to users' linked channels.
- OAuth integration enables users to securely connect YouTube accounts and publish content with one click.
- Facilitates video handoff, auto-fills metadata, and ensures platform-compliant delivery.

Next.js, PostgreSQL, Prisma ORM, YouTube API, Cloudinary, TailwindCSS

### Online Learning Platform – Empowering Digital Classrooms [\[Link\]](#)

December 2024

- Teachers can upload lectures, assign quizzes, and export student performance in XLSX format.
- Students enroll in courses, take quizzes, and monitor progress via dashboards.
- Admins manage the platform, including gallery uploads and user control.

React.js, Express.js, MongoDB, TailwindCSS, XLSX

### Campus Bazaar – Peer-to-Peer Student Marketplace [\[Link\]](#)

February 2024

- Created a platform for students to buy, sell, and rent items within their campus community.
- Enabled listing management, item filtering, and responsive user interface using EJS templates.

Express.js, Cloudinary, MongoDB, EJS, CSS

### CareSync – Health Manager (Hackathon Project) [\[Link\]](#)

March 2024

- Built a platform to detect potential diseases based on symptoms and suggest relevant medical facilities.
- Integrated geolocation to locate the nearest doctors, hospitals, and pharmacies.

Express.js, MongoDB, Node.js, EJS, CSS

## Technical Skills

**Languages:** C/C++, Java, JavaScript

**Web/App Technologies:** React.js, Next.js, EJS, Tailwind CSS, Node.js, Express.js, MongoDB, PostgreSQL, Prisma ORM, Redis, React Native, Progressive Web Apps (PWA)

**Tools/DevOps:** Git, GitHub, Docker, AWS, Postman, ADB (Android Debug Bridge)