

# AMEENA BEGUM

Software Developer | Final Year Computer Science Student  
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## PROFILE

Final-year Computer Science student and Software Developer with experience in building full-stack applications. Experienced in developing production-ready systems with scalable architectures, interactive user interfaces, real-time backend integrations, and smooth deployment workflows. I enjoy building practical, user-focused solutions that create real-world impact across mobile, web, and other emerging technologies.

## EDUCATION

B.E in Computer Science, Muffakham Jah College of Engineering and Technology 2022-2026 | **CGPA: 8.92**  
Sultan UI-Uloom Junior College 2021 | **GPA: 9.5**  
Pupil's Pragathi High School 2019 | **GPA: 9.5**

## TECHNICAL SKILLS

**Languages:** Python, Java, C, Dart

**Mobile Development:** Flutter, Android Studio, API Integration

**Web Development:** HTML, CSS, JavaScript, Next.js

**Backend:** Firebase, Supabase, MongoDB, MySQL, PostgreSQL, FastAPI, REST APIs

**AI/ML:** YOLOv8, OpenCV, LangChain, RAG, Streamlit

**Platforms & Other Technologies:** Google Cloud Platform, Firebase Console, Git & GitHub, Cloudflare Pages, Netlify, Twilio, Blockchain

## PROJECTS

**CounterFlow** (Smart India Hackathon 2024 Winner) | Flutter, Firebase, Flask (Python)

- Led frontend development of a postal service app and contributed to Flask backend integration. Implemented real-time tracking, SMS notifications, and a queue management dashboard.

**E-Cycle** (Live on Play Store) | Flutter, Firebase, Google APIs

- Lead Developer of an e-waste management app for buying, selling, repair, donation, and recycling of electronics. Integrated Firebase, Google Authentication, Gemini Flash chatbot, and Google Maps for EPR centers, deployed on the Play Store.

**PatrolPro** (Hackathon Winner) | Flutter, Supabase, AI

- Developed a rural waste management mobile app using Flutter, integrated Supabase for media storage and retrieval. Enabled AI-powered detection for civic issues (potholes, litter, stagnant water) with real-time reporting and location tracking.

**Portfolio Website** | HTML, CSS, JavaScript, Cloudflare Pages | <https://ameena-dev.pages.dev>

- Developed a responsive developer portfolio to showcase projects, skills, and achievements, and deployed globally using Cloudflare Pages with GitHub CI/CD for automated updates.

**VioWatch** | YOLOv8, Google Vision API, FastAPI, Flutter, Twilio

- Mentored team and led development of a real-time traffic violation system using FastAPI, YOLOv8, Google Vision API, Twilio SMS alerts, and a Flutter dashboard for visualization and analysis.

**FindOra** | Flutter, Firebase, Google Maps

- Mentored team to develop FindOra, a Smart campus app with image-based lost & found and real-time navigation using Firebase and Google Maps.

## ACHIEVEMENTS

- Winner:** Smart India Hackathon 2024, KCG College of Technology, Chennai
- Winner:** Innovatia Panoply 2025 (Mini Project Expo, MJCET)
- Winner:** Hack Revolution 2025, MJCET

## LEADERSHIP ROLES

**Tech Captain** - Computer Society of India (CSI), MJCET (2025 - Present)

**Tech Head** - Computer Society of India (CSI), MJCET (2024 - 2025)

**Research Head** - IEEE Computational Intelligence Society (CIS), MJCET (2024 - 2025)