AYUSH DUBEY

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in LinkedIn   ⓠ GitHub   🌐 Portfolio Website

Education

Madan Mohan Malaviya University of Technology (MMMUT), Gorakhpur　　　　　**2024–2028**
Bachelor of Technology in Computer Science
Focus on Software Engineering, Backend Systems, and Scalable Applications

Key Technical Projects

- **Android Development**

  - **PokePose – Kotlin Multiplatform Pokémon Pose Explorer** (*Kotlin, Compose Multiplatform, MVI, Koin, Ktor, SQLDelight*) Cross-platform app with offline caching and reactive UI, featuring pose recognition and recommendation system. Source | Detailed Project Brief

  - **Wireless Autoconnection Protocol for Campus Connectivity** (*Java, Android Studio*) Android app with secure Wi-Fi authentication automation using **event-driven architecture**, enabling instant campus-wide connectivity.

- **Full Stack Development**

  - **RAP-CASED – E-commerce Platform for Mobile Accessories** (*Next.js, React, MongoDB, Node.js*) Full-stack e-commerce platform with product catalog, secure checkout, and real-time recommendation engine. Source | Live

  - **Cognitive Biometric Analysis System (CBAS)** (*TensorFlow.js, JavaScript*) Computer vision pipeline for behavioral pattern detection with a dashboard for human-readable insights. Source | Live

Web Development Projects Portfolio

Curated 12 foundational projects demonstrating clean code, backend API integration, and modular frontend patterns. Website | Source Codes

Technical Acumen

Languages:	Python, C++, C, JavaScript, SQL, HTML5, CSS3, Kotlin, Dart
Frameworks:	React.js, Next.js, Node.js, Express.js, TensorFlow.js, Tailwind CSS, Flutter
Databases:	MongoDB, Firebase
Tools:	Git, GitHub, Vercel, Postman, Android Studio
Core Skills:	API Development, Backend Systems, Debugging & Testing, Performance Optimization, Collaboration, Full-Stack Development, Android Development, DSA

Distinguished Achievements

- Secured **AIR 4142** in IISER Aptitude Test and scored **100th percentile** in Computational Thinking (IIT Madras B.S. Qualifier).
- Contributed to open-source via **Hacktoberfest 2023 & 2024**.
- Ranked **top 8% globally** in a Codeforces Kotlin contest (Standings).
- Peak Codeforces rating: ~959 (Profile).

Strategic Engagements & Leadership

- Led school cricket team to multiple district-level championships.
- Participated in Model United Nations and co-produced a documentary on quick-commerce delivery practices.
- Strong team collaboration and communication skills.