

Ayush Dubey

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[LinkedIn](#)

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[Portfolio](#)

Education

Madan Mohan Malaviya University of Technology (MMMUT), Gorakhpur

2024–2028

Bachelor of Technology in **Computer Science Engineering**

Specializing in core CSE principles with advanced self-directed studies in AI and full-stack development.

Key Technical Projects

- **RAP-CASED: E-commerce Platform for Bespoke Mobile Accessories** (*Next.js, React, MongoDB, Node.js*)
Developed and deployed a full-stack e-commerce platform for unique phone cases, featuring dynamic UI, scalable transactions, and mobile responsiveness.
[Source](#) — [Live](#)
- **MessMate: Intelligent Culinary Resource Optimization & Queue Management** (*Next.js, React, MongoDB, Node.js*)
Engineered a web-based slot booking system for institutional mess operations, enhancing efficiency, reducing wastage, and optimizing queues.
[Source](#) — [Live](#)
- **Cognitive Biometric Analysis System (CBAS) - Vision AI** (*TensorFlow.js, JavaScript*)
Developed an AI framework analyzing joint, hand, and facial movements to identify behavioral indicators, laying groundwork for advanced HCI.
[Source](#) — [Live](#)
- **Wireless Autoconnection Protocol (WAP) for Campus Connectivity** (*Java, Android Studio*)
Created an Android app for autonomous, secure Wi-Fi authentication across MMMUT campus, streamlining user connectivity.
[Source](#)
- **Ubiquitous Real-time Communication Protocol (URCP)** (*Node.js, WebSockets*)
Engineered a high-performance real-time chat application, showcasing mastery in synchronous data transmission and scalable network programming.
[Source](#)

Web Development Projects Portfolio

Curated 12 foundational web development projects, serving as educational resources for aspiring developers, demonstrating clean code and intuitive design. [Website](#) — [Source Codes](#)

- **Easy:** [Letter Case Changer](#) — [Weather App](#) — [GitHub Finder](#) — [Periods Tracker](#) — [Visual Audio Simulator](#)
- **Intermediate:** [YouTube Clone](#) — [Ping Pong Game](#) — [Document to 3D Visualizer](#) — [Browser Safety Forensics](#)
- **Advanced:** [Disorder Simulator](#) — [Physics Simulation](#) — [Arcade Game Box](#)

Technical Acumen

Languages: Python, C++, C, JavaScript, SQL, HTML5, CSS3, Kotlin

Frameworks & Libraries: React.js, Next.js, Node.js, Express.js, TensorFlow.js, Tailwind CSS

Databases: MongoDB, Firebase

Tools & Platforms: Git, GitHub, Vercel, Postman, Android Studio

Core Competencies: Full-Stack Web Development, Mobile Development, Software Engineering, AI Fundamentals, Prompt Engineering, Data Structures & Algorithms, OOP

Distinguished Achievements

- Achieved **AIR 4142** in IISER Aptitude Test; **100th percentile in Computational Thinking** and IIT Madras B.S. Data Science Qualifier.
- Contributed to open-source via **Hacktoberfest 2023 and 2024**.
- Ranked among **top 8% globally** in a Codeforces Kotlin contest ([Standings](#)).
- Peak Codeforces rating: ~959 ([Profile](#)); completed CodeChef C++ course.

Strategic Engagements & Leadership

- Led school cricket team to multiple district-level championships.
- **Participated in Model United Nations sessions;** collaborated on documentary analyzing quick-commerce delivery practices.
- Proficient in advanced prompt design and leveraging generative AI tools for development.
- Passionate about UI/UX design, digital storytelling, and crafting intuitive user experiences.