Rohit Mishra

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Education

Indian Institute of Information Technology and Management, Gwalior	*Gwalior, India*
Bachelor of Technology in Computer Science	*2023 – 2027*
Children's Academy, Vijaynagar, Ghaziabad	*Ghaziabad, India*
Class XII (Central Board of Secondary Education) – 96.6%	*2022*

Experience

Software Engineering Intern — *Sep 2025 – Dec 2025*
AlgoVexa

- Built an AI-powered facial skin analysis platform using **MERN and Flask**, enabling automated detection of multiple skin conditions.
- Implemented **YOLOv7-based acne detection** with face-cropped inference, reducing false positives and improving detection accuracy.
- Designed computer vision pipelines using **OpenCV and MediaPipe** for facial landmark detection and precise skin-region masking.

Projects

InfoCrucible — Misinformation Detection Platform — *2024*
Tech Stack: MERN, Hugging Face, NLP

- Built a full-stack **MERN** platform ingesting data from **15+ news sources** for real-time misinformation detection.
- Integrated a **RoBERTa-based NLP model** via Hugging Face, improving classification accuracy by **20%**.

LeftOverLink — Food Donation & Logistics Platform — *2024*
Tech Stack: MERN, WebSockets, MongoDB

- Developed a **MERN-based** food donation system with **WebSocket-powered real-time donation matching**.
- Implemented **geospatial NGO recommendations** and secured APIs using **JWT-based RBAC**.

Technical Skills

Languages:	C, C++, Python, JavaScript, SQL
Frontend:	React, Tailwind CSS, HTML, CSS
Backend:	Node.js, Express.js, Flask, REST APIs
Databases:	MongoDB, PostgreSQL
Tools & Platforms:	Git, GitHub, Docker, Redis, Firebase, Postman, Linux
Coursework:	Data Structures and Algorithms, Database Systems, Object-Oriented Programming, Operating Systems, Software Engineering, Theory of Computation, Computer Networks

Leadership & Achievements

- **Competitive Programming:** Solved **250+** DSA problems on LeetCode; peak rating **1590**.
- **JEE Mains (All India, 2023):** Secured **99.2 percentile** among **1M+** candidates.
- **McKinsey Forward Program (2025):** Selected for global program by *McKinsey & Company* on problem-solving and structured thinking.
- **Executive Member, IEEE Promotions & Operations:** Increased event participation by **20%**.
- **Executive Member, EMT, Uthaan Club (2025 – Present):** Coordinated **30+** volunteers across **3** campus events.