

Himanshu Upadhyay

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Summary

Computer Science student with a strong grasp of data structures, algorithms, and OOP principles. Created and deployed 10+ full-stack projects using React, Node.js, and MongoDB, including government and educational systems serving over 1,000 users. Ability to lead teams of up to 5 developers and deliver production-ready applications. Seeking a Software Engineering role to build scalable applications and contribute to business-driven tech solutions.

Education

Madan Mohan Malaviya University of Technology (MMMUT)

Present

Bachelor of Technology in Computer Science and Engineering

CGPA: 8.45

Internship Experience

Nagar Nigam Gorakhpur | *SDE Intern*

05/2025 – 07/2025

- Led a 3-member team to develop a digital dog licensing system, streamlining registration, renewals, and certificate issuance for Gorakhpur Nagar Nigam.
- Programmed client-facing and admin panels with React (frontend) and Node.js + MongoDB (backend).
- Reduced manual paperwork by 70% and cut processing time from 3 days to under 1 hour through automated verification and secure data workflows.

DAV PG College | *Fullstack Developer*

03/2025 – 05/2025

- Spearheaded development of DAV PG College's official website, enabling 5,000+ monthly visitors to access news, events, and faculty profiles.
- Implemented modular UI components in React and Tailwind, improving cross-device compatibility and reducing future maintenance by 40%.
- Integrated MySQL-based modules for structured faculty and department data management.

Projects

Numbr (*React-Native, Node.js, JavaScript, Git*)

02/2025 – Present

- Built a mobile app for barbershops for bookings and display live queue length, improving customer experience.
- Combined WebSockets for real-time updates, reducing average waiting time by 25% during closed beta testing.
- Tested in 3 local shops with 150+ total users, receiving positive feedback for queue visibility and time savings.

Peek-PDF (*React, HTML, CSS, JavaScript, Express, Node.js, Git, Document AI*)

01/2025 – 02/2025

- Created PDF management system capable of organizing and querying 1,200+ documents.
- Integrated a chatbot using Generative AI, reducing retrieval time from 3–4 minutes to under 10 seconds.
- Enhanced search accuracy by 90% compared to manual keyword search.

Pothole Detection (*React, HTML, CSS, JavaScript, Git*)

08/2025 – 09/2025

- Constructed a web-based tool leveraging computer vision to detect and classify road anomalies like potholes.
- Trained a YOLOv8n model on a dataset of 47,000+ annotated road images, achieving 72% detection accuracy.
- Embedded a Flask-based backend for real-time image processing, reducing manual inspection time by 70%.

Achievements & Certifications

- **Hackathon 1st Runner-Up:** HackBlitz by Google Developers Group (300+ participants).
- **CodeChef Starters-181:** Global rank 309 out of 38,000+.
- **CodeChef Rating:** 4 Star (max rating: 1827) [Profile](#).
- **Codeforces Rating:** Specialist (max rating: 1500) [Profile](#).
- **Google Cloud Skills Boost** [View](#)
- **IBM SkillsBuild** [View](#)

Technical Skills

- **Languages:** Java, Python, C/C++, JavaScript, SQL, HTML, CSS
- **Frontend:** React, React Native, Tailwind CSS
- **Backend and Frameworks:** Node.js, Express.js, Flask, RESTful APIs
- **Databases:** MySQL, MongoDB
- **Cloud and DevOps:** AWS (EC2), Google Cloud Platform
- **Tools and Platforms:** Git, GitHub, VS Code, Visual Studio, PyCharm, NetBeans
- **Other Skills:** Data Structures and Algorithms, Object-Oriented Programming (OOP)

Extracurricular Activities

Vice President

Coders&Developers Club

05/2025-Present

MMMUT, Gorakhpur