

# MANGLA SHUKLA

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Kukudhi, Kaundhiyara, Prayagraj, India - 212106

## SUMMARY

Dynamic Full-Stack Developer and AI Engineer specializing in MERN Stack and Artificial Intelligence protocols. Experienced in creating end-to-end applications with a strong background in Data Structures and Algorithms. Proven track record in hackathons with multiple podium finishes and continuous learning through 5+ technical workshops.

## EDUCATION

### United College of Engineering and Research

B.Tech in Computer Science (AI & Machine Learning)

Prayagraj

Expected 2027

**Relevant Coursework:** Data Structures & Algorithms, Object-Oriented Programming (OOP), Database Management Systems (DBMS), Operating Systems, Machine Learning Fundamentals, Web Development.

### Intermediate (Class XII)

PCM Stream | Scored 87%

UP Board

2023

## INTERNSHIPS / PROFESSIONAL EXPERIENCE

### Unstop

Campus Ambassador

Remote / Campus

Sep 2025 - Present

- Organized 5+ technical events and hackathons, facilitating the participation of over 200 students in national-level competitions.
- Acted as a primary liaison, increasing campus engagement with the platform by approximately 30% through targeted outreach.

### IBM

Web Development Intern

Remote

Aug 2025

- Developed and deployed a scalable full-stack e-commerce platform using the MERN stack, optimized to handle 500+ concurrent users.
- Implemented secure RESTful APIs with Postman, reducing data retrieval latency by 20% and ensuring seamless authentication.

## PROJECTS

### Mudra-Vani (Sign Language Translator) Personal Project | [GitHub](#)

- Built a universal sign language translator using computer vision to convert real-time hand gestures to text.
- Optimized the model for low latency, achieving a processing speed of under 200ms per frame.

Technologies: Python, OpenCV, MediaPipe, TensorFlow.

### Krishi Seva 2.0 Hackathon Project | [GitHub](#)

- Engineered a terraforming and crop analysis platform integrating Machine Learning models for soil health analysis.
- Provided real-time crop recommendations, potentially improving yield predictions by 15% for local farmers.

Technologies: Flutter, Firebase, Machine Learning, Google Cloud Platform.

### Shopping-Kart (E-Commerce) Personal Project | [GitHub](#)

- Designed a responsive galactic-themed e-commerce system featuring robust user authentication and dynamic product management.

Technologies: MERN Stack, Redux, Node.js, REST APIs.

### Expense Tracker Personal Project | [GitHub](#)

- Created a desktop-based financial management application using Python and Tkinter to log and categorize daily expenses.
- Enabled real-time data visualization through an intuitive GUI, helping users track spending habits effectively.

Technologies: Python, Tkinter, Data Visualization.

## TECHNICAL SKILLS

- Languages:** C++, Python, Java, JavaScript (ES6+), Dart, HTML, CSS.
- Frameworks:** MERN Stack (MongoDB, Express, React, Node.js), Next.js, Flutter, Tailwind CSS.
- AI/ML:** OpenCV, DeepFace, Computer Vision, TensorFlow, Python Data Libraries.
- Tools & Platforms:** Git, GitHub, VS Code, Postman, Vercel, Firebase.

## ACHIEVEMENTS & CERTIFICATIONS

- 3rd Position:** GDGOC Hackathon 2025 (Google Developer Groups) for project 'Kumbh Rakshak'.
- 1st Rank:** GeeksforGeeks DSA Contest - Secured 1st position in Week 3 & Week 7.
- Participant:** Zennovatio Hackathon at Chandigarh University.
- Workshops:** Attended 5+ workshops on emerging tech (NLP, IoT, Power BI).
- Certifications:** MERN Stack Development, Python Programming.