

VIKAS PRATAP

Full-Stack Developer

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PROFESSIONAL SUMMARY

Motivated final-year IT student passionate about full-stack development, AI, and machine learning. Experienced in React.js, Python, database design, and cloud deployments through academic projects and internships. Adept at building scalable web applications and intelligent systems to solve real-world problems.

TECHNICAL SKILLS

- **Languages:** Python (Advanced), Java (Intermediate), JavaScript (Intermediate), C (Intermediate)
 - **Frameworks:** React.js, Flask, Node.js
 - **Databases:** MySQL, MongoDB, SQLite
 - **Tools:** Git, VS Code, Jupyter, IntelliJ, Wireshark
 - **Libraries:** OpenCV, NumPy, Pandas, Scikit-learn
 - **Concepts:** REST APIs, OOPs, Data Structures, Machine Learning, Computer Networks
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EDUCATION

Bachelor of Technology in Information Technology **Expected Graduation: June 2026**
— Rajkiya Engineering College, Azamgarh
CGPA: 7.9/10 (till 6th semester)

Relevant Coursework: Data Structures, Machine Learning, Computer Networks

Diploma in Electronics Engineering — J.L.N. Polytechnic, Mahmudabad **2018 – 2021**
Percentage: 78%

PROJECTS

Automated Attendance System using AI & ML — *Python, OpenCV, MySQL*
Developed a real-time face-recognition attendance tracker with an **ANN model**, achieving **95% accuracy** and automatic database logging for time and expression.

Fraud Detection in DeFi using GNNs — *Python, PyTorch, NetworkX*
Designed a **Graph Neural Network** to detect anomalous DeFi transactions through graph embeddings and community detection.

Weather Forecast App — *HTML, CSS, JavaScript, OpenWeatherMap API*
Built a responsive web app with **dark/light modes** and dynamic user search for live weather data.

Recruitment Automation System (Hackathon Project)  - *Python, SQLite, Sentence Transformers*

Created a **multi-agent AI system** to automate job description parsing, candidate matching, and interview scheduling using ML and rule-based approaches.

WORK EXPERIENCE

Assistant Engineer

Mar 2022 – Apr 2023

Dixon Technologies Pvt. Ltd.

- Managed and optimized automated SMT mounting machines (NPM - Panasonic) and PCB inspection workflows.
- Collaborated with process engineers to improve assembly efficiency, reducing defects by **15%**.

Ethical Hacking & Penetration Testing Intern

Jul 2025 – Sep 2025

C-DAC Noida (Virtual Internship)

- Conducted penetration testing, phishing simulations, and vulnerability assessments using **Kali Linux**.
 - Utilized **Wireshark** and **Burp Suite** for network traffic analysis and vulnerability reporting.
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ACHIEVEMENTS & CERTIFICATIONS

- Solved **300+ DSA problems** on GeeksforGeeks; ranked among **6th** in college.
 - Earned **4 star Java & C** and **4 star Python** on HackerRank.
 - Completed Government of India's **Cyber Gyan Project** on Ethical Hacking & Penetration Testing.
 - Participated in **Smart India Hackathon 2024** (AI Track).
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SOFT SKILLS

Analytical Thinking, Leadership, Collaboration, Problem Solving, Adaptability, Communication.