

Muskan Patel

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PROFESSIONAL SUMMARY

Motivated MCA student seeking a Software Developer or IT Support Engineer role. Skilled in the MERN stack, Java, and Python with strong ability to build scalable applications, optimize systems, and contribute to research-oriented solutions.

TECHNICAL SKILLS

Problem Solving: Data Structures & Algorithms (Arrays, Linked List, Stack, Queue, Trees, Recursion, Searching & Sorting) implemented in C++

Frontend Stack: React.js, Material-UI, Bootstrap, JavaScript, HTML5, CSS3

Backend & APIs: Node.js, Express.js, RESTful API Design, MVC Architecture, JWT Authentication, Django (Familiar), Flask (Exposure), FastAPI (Exposure)

Databases: MySQL (Normalization, Query Optimization), MongoDB (Aggregation, Indexing), PostgreSQL (Basics), Data Modelling, MongoDB Atlas

Cloud & Deployment: AWS S3, DynamoDB (Basics), Cloud Deployment, Render, Vercel, Cloudinary

Development Tools: Git, GitHub, VS Code, Chrome DevTools, Jest

Operating Systems & Networking: Linux, Windows, TCP/IP, HTTP/HTTPS, Basic Security Concepts

EXPERIENCE

Internship – Credit EDA Project

Jun 2024 – Aug 2024

IIT Roorkee

- Analyzed credit datasets using Python (Pandas, Matplotlib, Seaborn) in Jupyter Notebook.
- Identified 10+ risk factors improving credit approval accuracy by 18%.
- Presented data-driven insights to enhance business optimization strategies.

Full-Stack Developer – NestAway Rental Platform

Jan 2025 – May 2025

X2 InfoTech

- Developed a MERN stack rental platform with JWT authentication and Cloudinary image hosting following MVC architecture.
- Optimized React components reducing page load time by 25% and supported 150+ user interactions during testing.
- Designed REST APIs and integrated MongoDB Atlas for scalable data handling.
- Deployed on Render achieving 99% uptime.

PROJECTS

Zerodha Clone – Full-Stack Trading Platform (MERN Stack)

Jan 2026

- Engineered a production-ready trading platform using React, Node.js, Express, and MongoDB featuring real-time stock charts with Chart.js and secure JWT authentication.
- Built scalable REST APIs following MVC architecture for portfolio management with dynamic profit/loss calculations reducing API response time by 25%.
- Optimized React components with Material-UI achieving 30% faster load times.
- Deployed on Vercel and Render with 99.5% uptime and implemented Jest unit testing.

Real Estate System – Web Application

Feb 2024 – May 2024

- Built a web application using HTML, CSS, Node.js, and MySQL.
- Optimized database queries improving response time by 12%.
- Designed intuitive UI achieving 90% positive user satisfaction.

EDUCATION

Master of Computer Applications – Madhav Institute of Technology & Science, Gwalior

2023 – 2025

B.Sc. in Computer Maintenance – Govt. M.H. College of Science and Home Science, Jabalpur

2020 – 2023

CERTIFICATIONS

JavaScript & React JS Certificate – Coding Thinker (Aug 2024)

Data Science Certification – E-Cell, IIT Roorkee (May 2024)

Deep Learning Fundamentals – NVIDIA DLI (Feb 2024)

NPTEL Programming Certification – IIT Kharagpur (Jan 2024)