SUSHMITA KATARIYA

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PROFESSIONAL SUMMARY

Aspiring AI Engineer with a strong foundation in Python, C++, Java, and MERN stack development. Experienced in building AI-driven and web-based applications, integrating APIs, and optimizing backend performance. Certified in cybersecurity, networking, and database management from Cisco and Oracle. Passionate about applying AI/ML, computer vision, and MLOps practices to real-world manufacturing challenges.

EDUCATION

B.Tech in Computer Science & Engineering — Gyan Ganga Institute of Technology & Science, Jabalpur — CGPA: 7.5 (2022 – 2026)

TECHNICAL SKILLS

Programming Languages	Python, C++, Java, JavaScript
AI/ML & Data Tools	Pandas, NumPy, OpenCV (basic), TensorFlow (familiar), Scikit-learn
Web Development	MERN Stack (MongoDB, Express.js, React.js, Node.js), HTML, CSS
API Development	REST APIs (FastAPI, Flask basics), Stripe Integration
Database Management	MySQL, Oracle DBMS
Version Control	Git, GitHub
Networking & Security	CCNA, Linux Essentials, CyberOps Associate
Other Tools	Power BI, Matplotlib, Plotly

CERTIFICATIONS

Cisco Networking Academy: Cybersecurity Essentials, Linux Essentials, CyberOps Associate, Introduction to Python & Programming, Python Essentials 1 & 2, Introduction to Data Science, CCNA 1, 2, 3

Oracle Academy: Java Programming, Database Management System (DBMS)

PROJECTS

AI Career Coach (Final Year Project) — Full Stack React + AI Integration

• Developed a web application that provides personalized career guidance, resume feedback, and interview tips using AI APIs.

• Integrated authentication, AI-driven recommendations, and interactive dashboards.

• Optimized backend calls using server-side caching, improving response times by 40%.

• Tech Stack: React.js, Node.js, Express.js, AI APIs, MongoDB

DELISH — MERN-based Food Delivery & Tiffin Service App

• Designed a food ordering & tiffin service platform with dish-based search, secure Stripe payments, and user profile management.

• Implemented an admin panel for restaurant and menu management.

• Tech Stack: MongoDB, Express.js, React.js, Node.js, Stripe, Mailtrap, Render

RELEVANT COURSEWORK

Data Structures & Algorithms (DSA), Database Management Systems (DBMS), Computer Networks, Operating Systems, Object-Oriented Programming (OOP)

ACHIEVEMENTS & HIGHLIGHTS

• Completed over 12+ Cisco and Oracle certifications in programming, AI, cybersecurity, and networking.

• Strong foundation in API integration and backend optimization.

• Experience in real-time AI application concepts like OCR and image recognition.

AREAS OF INTEREST

AI/ML in Manufacturing Automation, Computer Vision (OCR, Defect Detection), MLOps & Model Deployment, API & Backend Development