

Mansi Kushwaha

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Objective

Motivated and detail-oriented Computer Science undergraduate seeking an opportunity to apply strong problem-solving skills, foundational programming knowledge, and a passion for building efficient applications. Eager to contribute to a dynamic team and grow through real-world development experience.

Education

Pranveer Singh Institute of Technology, Kanpur, UP	Oct 2023 – Present
B.Tech in Computer Science (2027 Batch);	Percentage: 78.05%
Air Force School, Chakeri, Kanpur, UP	2021 – 2022
Intermediate Education;	Percentage: 83.0%
Air Force School, Chakeri, Kanpur, UP	2019 – 2020
High School;	Percentage: 88.2%

Technical Skills

Languages: Python, C++, C, JavaScript
Fullstack : Express.js, React.js, Node.js , REST APIs
Databases: PostgreSQL, MongoDB
Data & AI: Scikit-learn, Pandas, NumPy, Generative AI Foundations, ML Pipelines
Core CS: Data Structures & Algorithms, OOPS, DBMS, OS Basics, Computer Networks
Tools: VS Code, Docker, AWS (Basics), Git, GitHub, Postman

Projects

- Pollution Health Impact Analysis Platform (MERN + ML)**2026 – Present
- Conceptualized and designed a data-driven platform architecture to analyze large-scale environmental datasets.
 - Researched data sources and structured pipelines for efficient data aggregation, ensuring integrity and analytical clarity.
 - Planned system workflows and API structures to enable scalable data ingestion and visualization.
- JobAlign – AI Career Roadmap Platform | Team Lead**Oct 2025 – Dec 2025
- Led system design and research for an AI-based career guidance platform, defining problem statements and solution approach.
 - Analyzed and selected appropriate ML models (Random Forest) for multi-label classification, achieving 80.7% accuracy.
 - Designed the end-to-end ML pipeline, including feature engineering strategies and deployment planning.
- Hand Gesture Recognition System | AI & Computer Vision**Oct 2024 – Dec 2024
- Designed the system architecture for an automation tool using computer vision techniques.
 - Researched and defined preprocessing methods (e.g., contour detection) to ensure robust recognition performance.
 - Focused on user interaction flow and system feedback mechanisms for improved usability.

Achievements

- LeetCode Rating: 1650 (Top 18%)
- Codeforces Rating: 1002
- HackerRank Silver Badge Holder

Certifications

- Oracle Certified Generative AI Professional (2025)
- Oracle Certified AI Foundations Associate (2025)
- NPTEL Certification: Introduction to Programming in C
- Infosys Springboard: Python, HTML, and CSS Fundamentals