

# Samarth Keshari

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## Professional Summary

A dedicated and goal-oriented Computer Science undergraduate with a strong foundation in programming, critical thinking, and problem-solving. Passionate about applying technical knowledge and user-aware thinking to build scalable, intelligent software systems that solve real-world problems.

## Education

<b>Chandigarh University, Mohali, Punjab</b> B.E. in Computer Science and Engineering	2023 – 2027 CGPA: 7.74
<b>Delhi Public School, Varanasi, Uttar Pradesh</b> Intermediate (CBSE)	2022 Percentage: 74.3
<b>Delhi Public School, Varanasi, Uttar Pradesh</b> Matriculation (CBSE)	2020 Percentage: 70.0

## Experience

<b>Artificial Intelligence Intern</b> Appolo Computers Pvt. Ltd. (On-Site)	June 2025 – July 2025
<ul style="list-style-type: none"><li>Engineered an AI-powered resume parsing and ranking system using Qwen LLM, vision models, Python, and FastAPI.</li><li>Implemented REST APIs for automated resume ingestion and semantic job-candidate matching.</li><li>Enhanced backend workflows and reduced manual screening time by 70%.</li></ul>	

## Projects

<b>Multiple Disease Prediction System Using AI/ML</b>	Python, Pandas, Scikit-learn, XGBoost, Random Forest
<ul style="list-style-type: none"><li>Built an end-to-end ML pipeline using Pandas and Scikit-learn for multi-disease classification (breast cancer, cervical cancer, PCOD).</li><li>Applied preprocessing (cleaning, encoding, scaling) and evaluated models using Precision, Recall, F1-Score, and ROC-AUC.</li><li>Exposed a modular API for real-time predictions to support scalable deployment.</li></ul>	
<b>NeurAero – Cognitive Agentic AI for Autonomous Flight Systems</b>	Python, Agentic AI, Reinforcement Learning, FastAPI, ROS2
<ul style="list-style-type: none"><li>Built a cognitive Agentic AI system for autonomous drones using a Master-Worker multi-agent architecture to handle sensor uncertainty and conflicts.</li><li>Applied neuro-symbolic reasoning and reinforcement learning (PPO/SAC) to enable adaptive, explainable, and safety-aware flight decisions on edge devices.</li></ul>	
<b>AI-Based Resume Parsing System</b>	Python, FastAPI, Qwen LLM, NLP, REST APIs
<ul style="list-style-type: none"><li>Built a FastAPI-based backend to parse and rank resumes, processing 500+ resumes/day with 70% faster performance.</li><li>Integrated scalable REST APIs for automated recruitment workflows and 10+ client integrations.</li><li>Optimized asynchronous tasks and database operations, reducing system latency by 70%.</li><li>Increased backend reliability by 30% through unit and integration testing.</li></ul>	

## Certifications

- AI Fundamentals – IBM SkillsBuild & Cisco Networking Academy (2025)
- Generative AI Essentials – LinkedIn Learning (2024)

## Technologies

**Programming Languages:** Python, C/C++, Java, JavaScript/TypeScript  
**Web Development:** HTML/CSS, React.js, Node.js, FastAPI, Django, REST APIs  
**Machine Learning & AI:** Model Training & Evaluation, TensorFlow, PyTorch, Scikit-learn, Deep Learning Basics, Computer Vision (OpenCV), Vision Models  
**Data Analysis & Visualization:** Exploratory Data Analysis, Data Cleaning, Basic Statistics, Pandas, NumPy, Matplotlib, Tableau  
**Software Development:** Data Structures & Algorithms, Object-Oriented Programming (OOP), Problem Solving  
**Databases:** SQL, MySQL, PostgreSQL  
**Tools:** Git, GitHub, Postman, Jupyter Notebook, VS Code  
**Soft Skills:** Teamwork, Adaptability, Empathy, Problem-solving, Critical Thinking, Collaboration