Aman Ansari

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SUMMARY

Computer Science undergraduate (B.Tech, CSE, May 2025) with strong foundation in software development, machine learning, AI model development, and database systems. Skilled in Python, Java, SQL, and full-stack development with hands-on expertise in data structures, algorithms, and system design. Seeking to apply analytical and technical problem-solving skills in machine learning engineering, data science, and AI-driven software projects.

EDUCATION

Shri Guru Gobind Singhji Institute of Engineering and Technology — *Nanded, MH*
Bachelor of Technology in Computer Science and Engineering — CGPA: **7.98** — *Dec 2021 – May 2025*

Dayanand Science College — *Latur, MH*
Higher Secondary Certificate (HSC) — Percentage: **94.5%** — *Jun 2019 – May 2021*

L.K.R.R. Prince English School — *Selu, Parbhani*
Secondary School Certificate (SSC) — Percentage: **94.8%** — *Jun 2018 – May 2019*

PROJECTS

Hospital Management System — *PHP, SQL, XAMPP, HTML/CSS* — *Jan 2024*

- Developed a full-stack hospital management application with multi-role access (patients, doctors, admins), implementing patient registration, appointment scheduling, and doctor profile management.
- Optimized database architecture with indexing and query enhancements, reducing critical data retrieval times by **25%**.

SmartShield - A Malware Solution — *Python, Scikit-learn,js,HTML/CSS* — *Apr 2024*

- Engineered a machine learning–based malware detection system using a Random Forest classifier, achieving high accuracy in classifying malicious vs. legitimate files using static analysis and feature importance.
- Implemented .exe file classification and integrated a phishing URL detection module, enhancing solution coverage.

TECHNICAL SKILLS

Programming Languages: Python, Java, C, JavaScript, SQL, HTML/CSS
Frameworks & Libraries: Pandas, NumPy, Scikit-learn, PyTorch, TensorFlow, React, Flask, Django
Databases: MySQL, MongoDB, PostgreSQL
Machine Learning & AI: Supervised & Unsupervised Learning, Model Evaluation (Accuracy, Precision, F1-Score), Feature Engineering, Data Preprocessing, Neural Networks, NLP Basics, Generative AI, Prompt Engineering
Developer Tools: Git, GitHub, VS Code, Jupyter Notebook, Android Studio, Google Colab
Cloud & DevOps: AWS (S3, EC2 Basics), Google Cloud (Vertex AI Basics), RESTful APIs, Docker (Beginner), CI/CD Fundamentals
Core Concepts: Object-Oriented Programming (OOP), Data Structures & Algorithms (DSA), Database Management Systems (DBMS), System Design

CERTIFICATIONS

OCI Generative AI Professional (2025): [Credential] Validated expertise in OCI cloud infrastructure, AI model deployment, and enterprise-scale solutions.

Machine Learning I (Columbia University): [Credential] Applied regression, classification, and clustering algorithms to real-world projects.

HTML and CSS (Udemy): [Credential] Completed a comprehensive course on front-end web development.