

ANSARI MD ANAS SHAKEEL

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EDUCATION

MIT World Peace University

B.Tech in Computer Science and Engineering (Cybersecurity and Forensics)

2022 – 2026

Pune, India

CGPA: 8.31 / 10

RELEVANT COURSEWORK

- Data Structures
- Machine Learning
- OOPs
- DBMS
- Cybersecurity Basics
- Operating Systems
- Artificial Intelligence
- Python Programming
- Computer Networks

PROJECTS

Length of Stay Prediction – Healthcare Analytics 🧠

2025

Tech Stack: Python, Pandas, NumPy, Scikit-learn, XGBoost, TensorFlow

- Developed predictive models for hospital patient LOS using 50K+ records.
- Systematically improved model accuracy from a 34.6% baseline (Naïve Bayes) to 43.1% (XGBoost) by implementing advanced feature engineering and model tuning.
- Improved accuracy from baseline through domain-driven preprocessing of age, admission type, and department.
- Documented model performance and comparisons in an interactive Jupyter notebook.

Retail Store Performance Analysis 🧠

2024

Tech Stack: Python, Pandas, Power BI

- Analyzed 6.4K+ weekly sales data across 45 Walmart stores to discover seasonal trends.
- Identified a 20% spike in sales during major events and holidays.
- Built Power BI dashboards highlighting low-performing stores and economic factor impacts.

Resume Screener – NLP & KNN Classifier 🧠

2024

Tech Stack: Python, KNN, NLP, NLTK, Scikit-learn, TF-IDF, Pandas, Matplotlib, Seaborn

- Created an NLP-based resume classification tool using TF-IDF and KNN to extract and classify skills.
- Visualized performance using confusion matrices and tuned hyperparameters for classification.
- Reduced manual screening time by 80%, streamlining HR evaluation workflows.

TECHNICAL SKILLS

Languages: Python, C++, SQL

Data Science & Machine Learning: Pandas, NumPy, Scikit-learn, TensorFlow, XGBoost, NLTK

Data Visualization: Power BI, Tableau, Matplotlib, Seaborn, Plotly

Databases: MySQL, SQLite

Developer Tools: Git, VS Code, Jupyter, Google Colab, Brity RPA Designer

Generative AI: Prompt Engineering, OpenAI API Integration

Agentic AI: Basic Experience with LangChain Autonomous Agents

CERTIFICATIONS

Introduction to Prompt Engineering — SimpleLearn

Learned prompt structuring for summarization, classification, Q&A using LLMs.

What Is Generative AI? — LinkedIn Learning

Covered GenAI fundamentals, applications in content/code generation, ethics.