# ANSARI MD ANAS SHAKEEL

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## EDUCATION

**MIT World Peace University** <div align="right">**2022 – 2026**</div>
*B.Tech in Computer Science and Engineering* <div align="right">*Pune, India*</div>

**CGPA: 8.31 / 10**

## RELEVANT COURSEWORK

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

## PROJECTS

**Length of Stay Prediction – Healthcare Analytics** ⬛ <div align="right">**2025**</div>

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

- Developed **predictive models** for hospital patient LOS using **30K+ records**.
- Systematically improved model **accuracy from 34.6% to 43.1%** by applying **advanced feature engineering** and model tuning.
- Boosted performance through **domain-driven preprocessing** of **age, admission type, and department**.
- Documented comparative **model performance** in an **interactive Jupyter notebook**.

**Retail Store Performance Analysis** ⬛ <div align="right">**2024**</div>

**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.
- Performed **correlation analysis** of store performance on different **Region, Category, and Region**.

**Resume Screener – NLP & KNN Classifier** ⬛ <div align="right">**2024**</div>

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

- Created an **NLP-based resume classifier** using **TF-IDF and KNN** to extract and classify **skills**.
- Visualized performance with **confusion matrices** and **tuned hyperparameters** for optimal classification.
- Reduced **manual screening time by 80%**, improving HR workflow efficiency.

## TECHNICAL SKILLS

**Languages:** Python, C++, SQL
**Data Science & Machine Learning:** Pandas, NumPy, Scikit-learn, XGBoost
**Data Visualization:** Power BI (Basics), Matplotlib, Seaborn
**Databases:** MySQL
**Developer Tools:** VS Code, Jupyter, Google Colab
**Generative AI:** Prompt Engineering
**Agentic AI:** Basic Theory about Autonomous Agents

## CERTIFICATIONS

**Introduction to Prompt Engineering** — SimpleLearn
Learned prompt structuring for **summarization**, **classification**, and **Q&A** using LLMs.

**What Is Generative AI?** — LinkedIn Learning
Covered **GenAI fundamentals**, **applications** in content/code generation, and **ethical considerations**.