

# Md Zameer Khan

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## Profile

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### Aspiring Data Scientist, Machine Learning Engineer, AI Engineer

Detail-oriented and analytical Data Analyst skilled in Python, SQL, Power BI, and Tableau. Proficient in Excel, data cleaning, and managing large datasets. Experienced in generating insights and creating clear reports. Currently enhancing skills through training and internship at Full Stack Academy. Eager to leverage my abilities to drive data-driven decisions.

## Projects

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### Projects

**RAG Application:** Developed and deployed an application using Chromadb, ollama, Llama2 LLM on Streamlit to interact with the Full Stack Academy website.

- **Agentic RAG:** Built using CrewAI.
- **Data Analysis App:** Created using PandasAI and OpenAI's LLM for file interaction and insights on Streamlit.
- **Conversational Bot:** Developed using FAISS Vector databases and Llama2 LLM on Streamlit to interact with CSV files.
- **Skills Generation App:** Generated skills based on job roles.
- **Health Insurance Prediction:** Implemented using XGBoost regressor.
- **Student Placement Prediction:** Used classification models such as Logistic Regression, SVM, Random Forest, and Decision Tree classifiers.
- **Library Management System:** Created using SQL.

## Professional Experience

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**Data Science Training and Internship Full Stack Academy, Hyderabad, India**  
August 2024 – December 2024 (Present)

08/2024 – 12/2024  
Hydrabad, India

- **Python & SQL Proficiency:** Analyzed complex datasets.
- **Advanced Data Visualization:** Created insightful dashboards using Power BI and Tableau.
- **Excel Expertise:** Utilized pivot tables, VLOOKUP, and advanced formulas for data analysis.
- **Data Cleaning & Preparation:** Ensured data accuracy and usability.
- **Efficient Data Handling:** Managed large datasets while maintaining data integrity.
- **Data Sorting & Filtering:** Extracted meaningful insights and trends.
- **Database Management:** Optimized databases for smooth analysis.
- **Analytical Problem-Solving:** Generated actionable business insights.
- **Artificial Intelligence:** Developed AI models and solutions.
- **Machine Learning:** Implemented supervised and unsupervised learning models.
- **Deep Learning:** Worked on perceptrons, activation functions, NLP, and RNNs.
- **Generative AI:** Applied generative models for innovative solutions.

## Education

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<b>BACHLORS IN COMPUTER APPLICATION, OSMANIA UNIVERSITY</b>	05/2021 – 06/2024 Hydrabad, India
<i>narayana junior college(background - mpc(gpa -83.3%))</i>	2019 – 2021 Hydrabad, India
<i>shangrila english high school</i>	05/2019 Hydrabad, India

## Skills

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### Softs Skills

- Team management, Attention to details, Quick Learner, Work Ethic
- **Communication:** Ability to convey findings clearly to non-technical stakeholders.
- **Problem-Solving:** Analytical thinking to tackle complex data challenges.

### SQL(Structured query language)

### Tableau

### Data Manipulation and Analysis

- **Pandas:** For data manipulation and analysis in Python.
- **NumPy:** For numerical operations and handling arrays.

### Machine Learning

- **Supervised Learning:** Linear regression, logistic regression, decision trees, etc
- **Unsupervised Learning:** Clustering, dimensionality reduction.
- **Libraries:** Scikit-learn, TensorFlow, PyTorch.

### Database Management

- **SQL:** As mentioned earlier, essential for managing and querying databases.
- **NoSQL:** Knowledge of databases like MongoDB for unstructured data.

## Languages

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- English
- Urdu

## Courses

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### Data Science, Full Stack Academy

- Machine Learning with AI
- Deep Learning
- Generative AI
- LLM (Large Language Model)

Hydrabad, India

### Python

Proficiency: Analyze complex datasets with ease

### POWER BI

like dax queries,visualization etc

### Statistics

- **Descriptive Statistics:** Mean, median, mode, standard deviation, etc.
- **Inferential Statistics:** Hypothesis testing, confidence intervals, and p-values.

### Data Visualization

- **Matplotlib** and **Seaborn:** For creating insightful visualizations in Python.
- **Tableau** and **Power BI:** For interactive and shareable visual analytics.

### Data Cleaning

- Techniques for handling missing values, outliers, and inconsistencies.

- NLP (Natural Language Processing)
- RNN (Recurrent Neural Network)
- NLTK (Natural Language Tool Kit)
- LSTM
- Attention All You Need
- RAG (Retravel Augmented Generation)
- JRU
- Python
- SQL (Structured Query Language)
- Advance Excel
- Power BI
- Tableau