MOHAMMAD AMAAN

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SUMMARY

A highly analytical and results-driven Data Analyst with expertise in Python, SQL, and Machine Learning, dedicated to leveraging data-driven strategies to enhance business performance. Skilled in extracting and analyzing complex datasets, leveraging Tableau and statistical modeling to drive data-backed decisions. Passionate about turning raw data into actionable intelligence to fuel efficiency and growth.

AREA OF EXPERTISE

Python	SQL	Python Automation
Machine Learning	Tableau	Web Scraping
Deep Learning	Data Structures	Data Analysis & Visualization

PROFESSIONAL EXPERIENCE

Nysargik FPO   **September 2024 - Present**
Project Data Analyst

- Designed and implemented scalable web scraping solutions using Selenium, extracting 500K+ structured data points from 10+ sources, reducing manual effort and improving data collection efficiency by 30%.
- Automated high-frequency data pipelines, enabling real-time processing of millions of records with 99.9% uptime, ensuring seamless data availability and integrity.
- Developed and deployed an interactive heatmap visualization (similar to NASA's Soto), integrating frontend and backend components to optimize representation for 80M+ data points, enhancing data-driven insights.

Insignia Consultancy Solutions   **March 2024 - April 2024**
Data Science Trainee

- Built and optimized ML and NLP models for 3 projects, leveraging data-driven approaches to improve accuracy and operational efficiency.
- Enhanced ML and NLP algorithms, achieving a 45% performance improvement through hyperparameter tuning, feature engineering, and model optimization.
- Developed NLP models using NLTK, SpaCy, and BERT, achieving 90%+ accuracy in text classification, sentiment analysis, and entity recognition.

EDUCATION

Bachelor in Technology   **October 2020 - June 2024**
Jamia Hamdard | Final CGPA : 8.49

Intermediate   **March 2019 - April 2020**
Bhartiyam International School | Final CGPA : 7.74

High School   **March 2017- April 2018**
Bhartiyam International School | Final CGPA : 9.91

PROJECTS

- Advance Stock Market Analysis Algorithm using LSTM, ARIMA & GRU
- Earthquake Warning System | Python, CNN, NLTK

ADDITIONAL INFORMATION

- **Languages:** English, Hindi
- **Certifications:** NPTEL Business Intelligence and Analytics, Google Advanced Data Analytics, Google Python Crash Course
- **Awards/Activities: Bronze medalist** Inter-school Music Band Competition as Drummer, Organized Karvaan 2023 the first Annual Hostel Day as **Secretary Cultural Club** - JLN Boys Hostel, **Gold medalist** in Inter-Hostel Cricket and Volleyball matches during Karvaan 2023