

Muhammad Moosa Bin Naseem

Data Scientist

+92 331 2140037 moosa.binnaseem09@gmail.com <http://Github.com/unh0lymos3s> <https://www.linkedin.com/in/moosabinnaseem/>

As an enthusiastic and meticulous Data Science Professional I harbor a deep interest and expertise in the realms of Data Science, Machine Learning, MLOps, and Data Analytics. My proficiency in Python programming, RDBMS and NoSQL databases, coupled with my experience in Big Data engineering gives me an edge in the professional aspects of data science. I am eager to leverage these skills to make significant contributions to a forward-thinking team, particularly in the roles of a Data Scientist, Machine Learning Engineer, or Data Analyst.

Skills and Experience

- Developing Machine Learning and Deep Learning Models with Python, utilizing TensorFlow and PyTorch
- Data Visualization and Analytics using Matplotlib, PowerBI and Tableau.
- Big Data Engineering and Analytics. Using PySpark and SparkSQL
- ETL pipelines creation using Microsoft SQL Server
- Fine-tuning LLMs to create solutions to aid business decision making.

Work Experience

Data Engineering Intern | July 2023 to Aug 2023 | JS Bank Limited

- Data Pipeline Creation & Streamlining:** Building and optimizing data pipelines to ensure the smooth flow of data from various sources to the machine learning models. This includes data extraction, transformation, and loading (ETL) processes.
- Ad Hoc Data Extraction:** Worked in coordination with different teams to perform data extraction and help generate insights.

Junior AI Developer | Aug 2024 to September 2024| Askari Technologies

- Deep learning Models Development and Testing:** Built and Tuned various Machine Learning and Deep Learning models and tested them on live networks with Real-Time data.
- Transformers:** Used Huggingface transformers and performed fine-tuning on GPT2, to create generate use-case specific educational content.
- Large Language Models (LLM):** Created Multiple LLM based solutions and deployed them over cloud solutions.

Data Scientist | Nov 2024 to Present | Virtual Remittance Gateway (VRG)

- Agentic AI:** working on an Agentic AI based product to improve business decision making and productivity.

Notable Projects:

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|--|---|--------------------|
| Proactive AI based Network Intrusion Detection | - | Python, TensorFlow |
| SenseBox Predictive and GeoSpatial Analytics | - | PySpark |
| Predictive analytics on Potentially Hazardous Asteroids | - | Python |
| Epidemiological analysis on synthetic network data | - | Python |
| Social media engagement analysis of reddit and twitter posts | - | PySpark |
| Short term predictions on forex data, fetched in real time | - | Python, TensorFlow |
| Whatsapp chatbot to book appointments for an organization | - | Python, Twillio |
| Handwritten numbers recognition using CV | - | Python, TensorFlow |

Education

BS Computer Science | IoBM, 2020 - 2024
HSSC I & II | Government National College, Karachi|2018 - 2020
SSC I & II | Fazaia Degree College Faisal, Karachi | Class of 2018

Soft Skills

- Strong analytical skills.
- Proactive in nature with keenness to improve and think out of the box.
- Exceptional leadership and team working skills.
- Strong interpersonal and communication skills.

Other Information:

- Open to travel as per business needs.
- References are available on request.