

Roshni Mustafa

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Summary

An experienced data scientist adept at leveraging statistical methods and ML algorithms to derive actionable insights from complex datasets. Skilled in Python, SQL, and Py Spark with expertise in NLP, deep learning, and recommender systems. Strong communicator with a talent for visualizing data and delivering practical.

Education

B.S in Biomedical Engineering, LUMHS (2016-2023)

- Major Courses: Neural Network, Statistics Probability, Signal Processing

M.S in Data Science, MUET(2023-2025)

- Major Courses: Machine learning, deep learning, NLP, Big data

Experience

Artificial Intelligence Engineer: (ALTED NIC, June 2023 – December 2023)

- Created an AI-based 3D model voiceover using the Tortoise library; engaged in multiple projects involving deep learning and computer vision.

Python Developer: (Skillvention, Jan 2023- May 2023)

- Developed web applications using Flask and Tkinter, integrated them with a database management system via Python.

Trainee AI and Robotics Engineer: (NAVTTTC, June 2022-Dec 2022)

- Implemented supervised and unsupervised learning techniques, applied machine learning and deep learning algorithms to various datasets.

Skills

Technical Skills: Python\ R, Machine learning, Deep learning, NLP, Data Analysis & Visualization

Frameworks Libraries: Pandas, Numpy, Matplotlib, Sklearn, TensorFlow, Pyspark, SQL, NLTK, Langchain, OpenAI

Soft Skills:

Strong Communication: Clear and persuasive in both written and verbal forms.

Problem Solving: Efficient in identifying and resolving challenges with innovative solutions.

Projects

- [Language translator App – Google Translator | Stream lit:](#)
Developed the Language Translator Web Application which allow users to translate text between various languages with ease.
- [Real time Face Detection- Deep learning | OpenCV:](#)
This project enables real-time detection and tracking of human faces in video streams or live camera feeds.
- [Physical Activity Monitoring - Deep learning | Yolov8 :](#)
Developed a YOLOv8-based deep learning model for high-precision detection and tracking of human activities in various environments.
- [Mental Health Conversational Chatbot - OpenAI GPT | Langhian |NLP | Stream lit:](#)
Developed a specialized chatbot using advanced NLP techniques and OpenAI's GPT for providing mental health information, aimed at enhancing patient engagement and support.

Certification

- [Microsoft learn Student Ambassadors- Microsoft](#)
- [Intermediate Python -Data camp](#)
- [Getting started with NLP -AI Planet](#)
- [Deep learning – LinkedIn](#)