

Mohammad Athar Hussain

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About Me

Aspiring AI/ML Engineer with hands-on experience in building machine learning models and turning data into meaningful insights. Skilled in Python, TensorFlow, and Keras, with a passion for solving real-world problems through Artificial Intelligence. Dedicated to continuous learning and delivering smart, data-driven solutions that drive impact.

Professional Experience

Machine Learning Intern

Nacre Software Services Pvt Ltd

Hyderabad, Telangana, India

May 2024 – July 2024

- Built predictive models utilizing advanced machine learning techniques to analyze customer churn patterns.
- Conducted comprehensive data analysis, identifying electronic check users as the highest churners.
- Developed actionable insights to strengthen service retention strategies.

Projects

Fraud Transaction Detection

Python, Scikit-learn, Decision Tree Classifier

August 2024

- Engineered a fraud detection system achieving high precision and recall scores.

Medical Recommendation System

Python, Scikit-learn, SVC

September 2024

- Built a recommendation engine predicting diseases and treatment plans using SVC and feature engineering.

Brain Tumor Detection

Python, TensorFlow, CNN

October 2024

- Developed a CNN model for MRI brain tumor classification, enhancing dataset variability through augmentation.

E-Commerce Time Spend Analysis

Python, Pandas

October 2024

- Analyzed customer behavior patterns and revealed that membership length strongly predicts purchase behavior.

Technical Skills

Languages: Python, MySQL, HTML/CSS, JavaScript

Developer Tools: Visual Studio Code, Jupyter Notebook, PyCharm

Frameworks & Libraries: TensorFlow, Keras, Flask, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn

Version Control: Git, GitHub, Docker

Generative AI: Prompt Engineering, LLMs (Large Language Models), Vertex AI, OpenAI APIs

Data Visualization: Power BI, Tableau

Certifications

- Accenture North America - Data Analytics and Visualization Job Simulation

- HP LIFE - Data Science Analytics
- Google - Prompt Design in Vertex AI
- Databricks - Academy Accreditation: Generative AI Fundamentals
- IBM (Coursera) - Developing AI Applications with Python and Flask
- IBM (Coursera) - Generative AI: Prompt Engineering Basics
- NareshIT - Data Science and Artificial Intelligence
- HackerRank - Python (Basic) Certificate
- IBM (Coursera) - Python for Data Science and AI Development

Languages

- English - Professional Working Proficiency
- Hindi - Full Professional Proficiency
- Telugu - Professional Working Proficiency
- French - Elementary Proficiency

Education

Bachelor of Science in Computer Science (MECS)

Wesley Degree College, Secunderabad, Telangana