

Atiqur Rahman

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Summary

Passionate data enthusiast with expertise in Data Analytics, Machine Learning, and Cloud Technologies. Demonstrates a strategic mindset and a proven ability to lead transformation initiatives to drive data-driven decision-making and organizational success. Skilled in developing scalable solutions using Python, TensorFlow, and AWS. Proven ability to deliver actionable insights through data preprocessing, EDA, and model deployment.

Skills

- **Programming Languages:** Python, SQL
- **Programming Framework:** Scikit-learn, TensorFlow, Pandas, NumPy, Matplotlib, Seaborn
- **Tools & Technologies:** Machine Learning, Deep Learning, Docker, Git, AWS, Power BI, Linux
- **Data Analysis:** Data Preprocessing, Feature Engineering, EDA, Data Visualization (Matplotlib, Seaborn)
- **Other Skills:** Statistics, DSA (Data Structures & Algorithms), Model Deployment

Experience

Data Analyst Intern | Aarupadai Veedu Medical College and Hospital March 2024 - May 2024

- Enhanced data integrity by implementing data cleaning, normalization, and imputation methods, resulting in a 20% improvement in data quality.
- Utilized Python libraries such as Pandas, NumPy, and Matplotlib for effective data manipulation and visualization, leading to actionable insights.
- Conducted exploratory data analysis (EDA) on large medical datasets to uncover trends, patterns, and anomalies, contributing to data-driven decision-making.

Projects

Face Recognition System:

- Developed a Python-based system using OpenCV, implemented LBPH (Local Binary Pattern Histogram) algorithm for real-time face capturing, training and recognition.
- Implemented features like access control mechanism and recognition confidence levels.

Diabetes Prediction:

- Built a machine learning model (Random Forest) with 96% accuracy, optimized through hyperparameter tuning and feature selection to predict diabetes onset based on health indicators.
- Performed data preprocessing, feature engineering, and model evaluation for optimized performance.

Agriculture Assistant:

- Designed a multilingual virtual assistant for farmers using Flask, OpenAI, and Hugging Face, providing voice and text-based interactions.
- Integrated real-time query resolution and audio transcription features to enhance usability.

Education and Training

Bachelor of Engineering: Computer Science and Engineering
Aarupadai Veedu Institute of Technology, Paiyanoor

Expected in May 2025
CGPA: 9.2

Class 12th
Adarsh High School, Aurangabad

March 2019
Percentage: 70%

Class 10th
Lord Buddha Public School, Aurangabad

May 2016
CGPA: 10

Certifications & Achievements

- Full Stack Data Science Pro (PW Skills)
- Cloud Computing (NPTEL) - Elite + Sliver (75%)
- Amazon ML Challenge Hackathon – Top 100
- Hexaware Code & Rise Hackathon – Finalist
- National Level Srinivasa Ramanujan Mathematical Competitions 2022-23 (SRMC 2022-23) (National level)