

Afaf Athar

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PROFESSIONAL SUMMARY

Experienced Data Scientist with proven expertise in early-stage startups and fast-paced environments. Demonstrated ability to adapt quickly and implement innovative solutions. Active Kaggle competitor and technical writer on Medium, contributing to the data science community through practical applications and knowledge sharing.

EXPERIENCE (5+ YEARS)

Data Scientist

Oct. 2022 – Present

RapidCanvas

Bengaluru, India

- Leveraged advanced statistical modeling techniques and data mining algorithms to construct a comprehensive credit risk assessment framework, enabling precise customer segmentation and informed decision-making
- Designed and implemented a content-based recommendation system utilizing natural language processing and collaborative filtering techniques to deliver personalized book recommendations, enhancing customer engagement
- Demonstrated proficiency in leveraging Shopify platform, integrating machine learning models to build prediction services, and seamlessly writing back data to Shopify databases
- Conducted in-depth sales data analysis to uncover valuable insights, identifying customer behavior patterns and opportunities for targeted marketing campaigns

Data Scientist

Jun. 2021 – Oct. 2022

Eaton

Pune, India

- Collaborated with stakeholders to gain insights for customer segmentation through feature engineering and clustering algorithm
- Performed comprehensive data visualization and published results on dashboards for stakeholder analysis
- Built automated scripts and pipelines to streamline the data processing workflow without manual intervention

Assistant System Engineer

Mar. 2018 – Jul. 2019

Tata Consultancy Services

Noida, India

- Analyzed transactional data in the Fintech domain to identify patterns and improve system efficiency
- Developed and implemented systems for extracting and flagging fraudulent data from DB servers
- Collaborated with cross-functional teams to streamline business requirement processes and improve workflow efficiency

Data Scientist (Intern)

Aug. 2020 – May 2021

PowerSchool

Bengaluru, India

- Leveraged advanced data mining techniques and statistical methods, including t-tests, ANOVA, and machine learning models such as logistic regression and random forests, to cluster students based on their academic performance
- Developed and implemented robust analytical models and algorithms to identify patterns, trends, and key factors influencing student achievement
- Collaborated with cross-functional teams, including educators and subject matter experts, to ensure the effective integration of data-driven solutions into the educational ecosystem

PROJECTS

AI-Powered Resume Matching System | *Python, LLMs, AWS S3, Git CI/CD*

2023

- Engineered an intelligent resume screening system using Large Language Models and prompt engineering to automate candidate-job role matching, significantly reducing HR processing time
- Implemented a scalable document storage solution using AWS S3 for efficient resume management and retrieval
- Developed a sophisticated scoring algorithm providing percentage-based matching and skill level assessment, improving hiring accuracy by 40%
- Deployed the system using automated CI/CD pipelines, ensuring consistent updates and maintaining 99.9% system reliability

TECHNICAL SKILLS

Programming & ML Frameworks: Python, LLM, TensorFlow, Keras, Scikit-learn, NLTK
Data Analysis & Visualization: Pandas, NumPy, Matplotlib, Streamlit
Technologies: MySQL, Deep Learning, Machine Learning
Soft Skills: Storytelling, Business Acumen, Project Management, Attention to Detail

EDUCATION

Vellore Institute of Technology <i>Master's in Big Data Analytics, Gold Medalist</i>	Vellore, India <i>2019 – 2021</i>
• Relevant Coursework: Machine Learning, Deep Learning, Data Analytics, Statistical Modeling	
BBD University <i>Bachelor of Computer Science</i>	Lucknow, India <i>2013 – 2017</i>