

MUSADDIK MAULAVI

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PROFESSIONAL SUMMARY

Data Scientist with a solid foundation in software engineering and financial data analysis, recently completed Master's in Data Science. Skilled in using Python, Machine Learning, Data analysis and SQL to analyse and interpret large datasets, helping companies make informed decisions. Experience includes improving backend systems for better efficiency, creating data visualizations to present key findings, and applying statistical methods to projects like price prediction and fraud detection. Known for strong problem-solving abilities, effective communication, and the ability to work well both independently and as part of a team.

EDUCATION

University of Essex, United Kingdom Masters in Data Science <i>Completed (2024) Distinction</i>	Colchester, United Kingdom Oct 2023 – Nov 2024
Savitribai Phule Pune University BE in Computer Engineering <i>Completed (2022) CGPA: 9.19</i>	Pune, India Aug 2018 – Aug 2022

PROFESSIONAL EXPERIENCE

Crowwd Financial Data Analyst (Contract)	London, United Kingdom May 2024 – August 2024
<ul style="list-style-type: none">Executed in-depth industry research and benchmarking analysis, identifying key market trends and uncovering lucrative investment opportunities that contributed to a 10% expansion in portfolio value.Conducted stock price predictions utilizing LSTM, neural networks, and Python.	
Solar Secure IT Solutions (Remote) Data Science Intern	Bangalore, India Oct 2023 – Dec 2023
<ul style="list-style-type: none">Extracted, cleaned, and analyzed large datasets using Python and SQL.Created data visualizations with Matplotlib and Seaborn to present findings, facilitating data-driven decision-making.Applied statistical methods for projects including hotel price prediction and credit card fraud detection.	
Capgemini (On-site) Software Engineer (Full-time)	Pune, India Sept 2022 – Sept 2023
<ul style="list-style-type: none">Designed and developed backend systems, enhancing efficiency by 30% through optimized algorithms.Collaborated with frontend teams to implement new features, increasing user engagement by 25%.Utilised Python, SQL to handle the database at the backend.	
The Fate Tech (Remote) Web Developer (Full-time)	Bangalore, India Feb 2021 – April 2021
<ul style="list-style-type: none">Led a team of developers to design and deploy a fully interactive website, ensuring timely delivery and maintaining high-quality standards.Utilized HTML, CSS, and JavaScript to create dynamic and responsive user interfaces, enhancing website usability and accessibility.Implemented client-side functionality, such as form validations and interactive elements, to improve user engagement and streamline workflows.	

AREAS AND EXPERTISE

• Python	• Artificial Intelligence	• Keras
• Data Analysis	• Data Modeling	• Business Intelligence Tools
• Data Visualization	• Database Management	• Machine Learning
• Statistics Analysis	• Data Cleaning & Processing	• Quality Assurance
• Project Management	• Stakeholder Communication	• Cross Functional Collaboration

SKILLS AND CORE COMPETENCIES

- Programming Languages:** Python, SQL, R, C, C++
- Data Science:** Statistical Modelling, Machine Learning, Data Mining, Feature Selection, Unstructured Data Analytics, NLP.
- Tools and Technologies:** Matplotlib, Seaborn, Power BI, Tableau, Keras, Advanced Excel, Agile Methodologies
- Cloud Technologies:** AWS, Azure
- Database Management:** Relational Databases, Advanced SQL
- Analytical Techniques:** Regression Analysis, Predictive Analysis, Data Cleaning and Processing
- Soft Skills:** Excellent Communication, Stakeholder Management, High Self-motivation, Autonomous Work

PROJECTS

1. **Object Detection and Recognition to assist blinds using ML Algorithm** [Link](#)
 - Led a team in developing a Machine Learning model to detect and recognize objects in real-time using image processing techniques.
 - Implemented TensorFlow and OpenCV for building the detection pipeline, enabling effective navigation for visually impaired individuals.
 - Improved model accuracy through hyperparameter tuning and dataset augmentation, achieving over 85% precision in object recognition.
2. **Data Analysis and Data Visualisation on Insects data using R programming** [Link](#)
 - Conducted a comprehensive Exploratory Data Analysis (EDA) on insect datasets, identifying patterns, trends, and seasonal variations.
 - Used R Programming to implement this project.
 - Highlighted ecological implications and presented data-driven recommendations.
3. **Bangalore House Price Prediction** [Link](#)
 - Built a predictive model using regression techniques to estimate house prices based on location, size, and other features.
 - Utilised Scikit-learn and NumPy for model development and feature engineering, achieving a high R-squared score.
 - Plotted graphs and visualized different trends in the data using libraries such as Matplotlib and Seaborn, highlighting correlations between features like location, size, and price.
4. **Flight Price Prediction using AI/ML model** [Link](#)
 - Designed and implemented a machine learning model to predict flight ticket prices using historical data and features such as airline, duration, and layovers.
 - Used SVR, Random Forest Regressor, XGBoost for improved prediction accuracy, with extensive model evaluation through cross-validation.
 - Generated insights on seasonal pricing trends, aiding airlines in revenue optimization and passengers in cost savings.
5. **Global Video Games Sales Analysis** [Link](#)
 - Analyzed sales data across regions and platforms to identify factors contributing to global video game market trends.
 - Utilized Python Pandas for data extraction and processing, followed by advanced visualization to uncover insights.
 - Presented key findings, such as top-performing genres and platforms, which can drive targeted marketing strategies.
6. **EDA and Data Visualisation on Colchester Crime Data** [Link](#)
 - Performed Exploratory Data Analysis on crime data to identify trends and hotspots in Colchester.
 - Created heatmaps and time-series visualizations in R programming, highlighting areas with high crime rates.
 - Provided actionable insights for law enforcement to allocate resources effectively.
7. **EDA and Data Visualisation on Colchester Weather Data** [Link](#)
 - Conducted data cleaning, preprocessing, and analysis on weather datasets to uncover patterns and anomalies in Colchester's climate.
 - Designed interactive visualizations and EDA in R programming.
 - Presented insights to supervisor for applications in agriculture and urban planning.
8. **Real Estate Multi-City House Price Analysis** [Link](#)
 - Executed a cross-city comparative analysis of real estate prices, identifying economic and demographic factors affecting housing markets.
 - Utilized Python, SQL for data integration, analysis, and visualization, enabling clear communication of trends and findings.
 - Delivered insights into housing affordability and investment opportunities.
 - Developed and deployed a live interactive website integrating the ML model, using Flask for the backend to enable seamless user interaction and real-time predictions.