Md Shahrukh

Email: mdshahrukhbme@gmail.com | Phone: +91 7908920410
Location: Kolkata, India
[GitHub](#)| [LinkedIn](#) | [Portfolio](#)

OBJECTIVE

A highly motivated and aspiring Data Analyst with a solid background in statistics, machine learning, and data analytics. Equipped with strong analytical and problem-solving skills to drive business performance and strategic growth through data-driven insights. Adept at developing and delivering impactful dashboards and reports using advanced data tools like Power BI, SQL, Excel, and Python. Seeking to leverage data analysis and visualization skills to optimize business operations, improve decision-making processes, and drive continuous improvements.

CORE COMPETENCIES-

- **Data Analysis & Modeling**: Data cleaning, exploration, statistical-modeling, and feature engineering.
- **Data Visualization**: Proficient in Power BI, Excel, and data visualization techniques.
- **Machine Learning**: Familiar with supervised learning algorithms, regression models, and deep learning.
- **SQL & NoSQL**: Expertise in SQL for querying databases and MongoDB for NoSQL data management.
- **Problem Solving**: Strong analytical skills with the ability to identify and resolve data-related challenges.
- **Communication & Collaboration**: Excellent at presenting findings and collaborating across teams.
- **Time Management**: Experienced in managing project timelines, ensuring efficient delivery of results.

EXPERIENCE

Data Science Intern | CodSoft
Nov 2024 – Dec 2024

- Developed a **Movie Recommendation System** using collaborative filtering and content-based techniques, employing **Pandas**, **NumPy**, and **scikit-learn**.
- Analyzed the **Titanic dataset** to predict passenger survival, achieving over **90% accuracy** using models such as **Logistic Regression**, **Random Forest**, and **SVM**.
- Built and evaluated models on the **Iris dataset** using **KNN**, **Decision Trees**, and visualized feature importance using **Matplotlib** and **Seaborn**.
- Conducted data preprocessing, feature engineering, and model optimization to enhance performance.
- Presented findings through **dashboards** and **reports**, improving data storytelling.

Tools Used/Learned: Python, Pandas, Numpy, TensorFlow, OpenCV, YOLO, Team Management, Leadership, Timeline Management

Data Science Intern | Upskill Campus and UniConverge Technologies Pvt. Ltd.
July 2024 – Oct 2024

- Contributed to a **crop and weed detection project** focused on selective pesticide spraying, promoting sustainable agriculture.
- Developed **object detection models** using **YOLO** and **OpenCV** to identify and distinguish crops from weeds, optimizing pesticide application.
- Applied machine learning algorithms to improve the system's accuracy and efficiency in identifying weeds for targeted spraying.
- Gained hands-on experience applying **machine learning** and **computer vision** techniques to real-world agricultural challenges.

Tools Used/Learned: Python, Pandas, Numpy, YOLO, TensorFlow, OpenCV, Team Management, Leadership

Project Intern under Dr. Debasish Sengupta | Indian Statistical Institute
Mar 2024 – Jun 2024

- Worked on **groundwater level analysis** in West Bengal, aiming to predict the impact of the monsoon season.
- Cleaned and processed **10 years of data** (pre-monsoon and post-monsoon), applying **statistical techniques** and **data mining algorithms**.
- Visualized trends and patterns in the data to understand and address the region's groundwater crisis.
- Provided actionable insights for managing the groundwater crisis.

Tools Used/Learned: R, Data Visualization, Statistical Analysis, Data Exploration, Deployment

Field Service Engineer | Various Organizations (K K Corporation, Capital Photo Service Pvt Ltd, Rupsa Imaging Service)
Feb 2019 – Present

- Installed, serviced, and maintained advanced **imaging systems** in healthcare settings, ensuring system functionality and compliance with regulations.
- Managed **client relationships**, driving **customer satisfaction** and **revenue growth** through exceptional service.
- Conducted **preventive maintenance** and system audits to improve equipment uptime and operational efficiency.
- Troubleshot **technical issues** and collaborated with healthcare professionals to ensure accurate diagnostics.

EDUCATION
Post Graduate Diploma in Applied Statistics with Data Analytics and Official Statistics
Indian Statistical Institute, Kolkata, India
Aug 2022 – Feb 2024
- **Percentage**: 86.05%
- Ranked **10th** in the ISI PGDAS entrance examination.

Bachelor of Science in Mathematics
Ranchi University
2018 – 2021
- **Percentage**: 76.96%

CERTIFICATIONS
- **AI in Healthcare** – Stanford University
- **Managing Big Data with MySQL** – Duke University
- **Drive Insights from BigQuery** – Google Cloud Skills Boost
- **Python and Pandas for Data Engineering** – Duke University

POSITION OF RESPONSIBILITY
- **Placement Representative** during ISI PGDAS course (Feb 2023 – Feb 2024)
- **Active Member** of the Institute of Actuaries of India (IAI)

TECHNICAL SKILLS
Programming Languages: Python, R
Libraries/Tools: Pandas, Numpy, Matplotlib, Seaborn, TensorFlow, YOLO, OpenCV, scikit-learn, Power BI, SQL, MongoDB, Excel
Data Analysis: Statistical Modeling, Machine Learning, Feature Engineering, Data Visualization
Databases: SQL, NoSQL (MongoDB)
Data Visualization: Power BI, Excel, Matplotlib, Seaborn

INTERESTS
- **Cricket**
- **Travelling**
- **Data Science and Statistics**

LANGUAGES
- **English** (Fluent)
- **Hindi** (Fluent)
- **Bengali** (Native)

ACHIEVEMENTS
- Ranked 10th in the **Indian Statistical Institute's Postgraduate Diploma in Applied Statistics entrance examination**.