Farhan Ahmed

Data Analyst

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LinkedIn

Professional Summary

Data Scientist with expertise in machine learning, statistical analysis, and predictive modeling. Proven ability to transform raw data into actionable insights, developing models that solve complex business problems and drive decision-making. Proficient in Python, R, and SQL, with a strong track record of working with large datasets across various industries.

Core Competencies

- Machine Learning (Supervised & Unsupervised)
- Predictive Analytics & Statistical Modeling
- Natural Language Processing (NLP)
- Data Visualization & Dashboarding
- Feature Engineering & Data Preprocessing
- Programming: Python, R, SQL, C++

Professional Experience

Data Analyst *BluParrot Ventures Pvt Ltd* Oct 2024 – Present

- Developed and executed data scraping scripts to collect and process large datasets from various web sources.
- Built a resume parser to extract and organize relevant information from resumes for streamlined analysis.
- Conducted data analysis to generate actionable insights, supporting strategic decision-making within the organization.

Education

Post Graduate Diploma in Statistical Methods & Analytics
Indian Statistical Institute 2023—-2024

Master of Science in Statistics
Dibrugarh University 2017–2019

Bachelor of Science in Statistics
North Lakhimpur College 2014–2017

Key Projects

UNVEILING FRAUDULENT JOB POSTINGS: A Multi-modal Analysis 2024
Developed a machine learning model using NLP and classification techniques to detect fraudulent job listings. Implemented feature extraction and classification algorithms to identify key patterns in job postings.

CARDIOPREDICT: Machine Learning for Heart Failure Prediction 2024
Built a predictive model using medical data to detect heart failure risks. Applied classification techniques, improving model accuracy and early detection rates.

Statistical Analysis of Crime Against Women in India 2019
Conducted a statistical study using national datasets to identify trends and regional disparities in crime rates. Applied Poisson regression and K-means clustering algorithms to explore correlations and segment crime data based on geographic and socio-economic factors.

Time Series Analysis of Tea Production in Koilamari Tea Estate 2017
Analyzed historical tea production data using time series forecasting methods. Developed models to predict future production trends, helping optimize operational decisions at the estate.

Technical Skills

- **Programming:** Python, R, SQL, C++
- **Tools:** TensorFlow, XGBoost, Pandas, NumPy, Matplotlib, Selenium, BeautifulSoup, Excel, Statsmodels
- **Techniques:**
  - Machine Learning: Supervised (Regression, Classification) & Unsupervised Learning (Clustering, Dimensionality Reduction)
  - Web Scrapping
  - Time Series Analysis: ARIMA, SARIMA, Exponential Smoothing, Seasonal Decomposition
  - Web Scraping: Data Extraction using Selenium, BeautifulSoup
  - Natural Language Processing (NLP): Text Preprocessing, Feature Extraction, Topic Modeling
  - Data Preprocessing: Feature Engineering, Imputation, Scaling, Encoding