Khushboo Mahawar

Data Scientist

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PROFILE

An analytical Data Scientist and Data Analyst with 1.5+ years of experience in Machine Learning, Natural Language Processing, Data Analysis, and Computer Vision. Proficient in Python, SQL, and statistical methods, with hands-on expertise in data preparation, feature engineering, model development, visualization, and real-time ML deployment. Experienced in transforming complex datasets into actionable insights that support business decision-making, operational optimization, and data-driven strategy.

PROFESSIONAL EXPERIENCE

Research Associate 06/2022 – 07/2023 | Jaipur, India (WFH)
AnantNetra Technologies
- Optimized efficiency of AI market research by automating the data sampling process, which decreased model training time by 30% and advanced report quality for stakeholders.
- By developing models using machine learning techniques and conducting exhaustive feature studies, I was able to boosted the circuit pattern-detection process from 25% to 88% efficiency.
- I contributed the research through data preprocessing, data sampling, statistical analysis, and report guidance, ultimately to support decision making.
- Supplied structured insight and documentation while being discreet and collaborating with the research team and technical teams.

EDUCATION

Master of Technology (M.Tech) in Data Science 07/2024 – Present | Bengaluru, India
CHRIST (Deemed to be University)
CGPA:- 7.0/10

Bachelor Of Technology(B.Tech) in Electrical Engineering 08/2017 – 10/2021 | Ajmer, India
GWECA
CGPA:- 6.0/10

INTERNSHIP'S

Artificial Intelligence and Machine Learning 08/2025 – 10/2025 | Hyderabad
Mochive IT Solutions Pvt. Ltd
- Engineered two distinct AI/ML applications for gesture recognition and shoplifting detection using TensorFlow, OpenCV, and YOLOv5, refining end-to-end ML pipelines and optimizing performance for real-time applications.
- Refined end-to-end ML pipelines, including data preprocessing, model training, and evaluation for real-time applications.
- Revised dataset annotations, methodically optimized model performance using tuned parameters, and tested conjectures based on model predictions.

Data Science 07/2023 – 01/2024 | Jaipur
Qdegrees
- Systematized, verified, and normalized data on large datasets received from clients to ensure data accuracy and consistency for analytics.
- Enhanced and trained machine learning models on data sets of increasing size to improve efficiency of scalability and reliability of predictions.
- Executed exploratory data analysis (EDA) and produced reports to give businesses insights to improve decision-making.
- Furnished actionable insights that maximized client outcomes by 15% in addition to efficacy of the project as a whole.

PROJECTS

Energy Consumption TrendAnalysis
Predictive Modeling • PySpark • LSTM • Random Forest
- Expanded predictive forecasting model using PySpark, LSTM, and Random Forest to improve long-term city-wide energy use forecasting, achieving a 15% reduction in forecast error.
- Performed data preprocessing, feature engineering, and time series modeling, improving forecasting accuracy and model reliability by 30% through structured analytical workflows.
- Delivered actionable insights that strengthened energy planning, resource allocation, and operational decision making, enabling management teams to improve utilization efficiency by 20%.

Leaf Disease Detection using GLCM & CNN
Computer Vision • Feature Extraction • Deep Learning
- Designed a CNN-based classification pipeline integrating GLCM texture analysis, improving multi-class leaf-disease detection accuracy by 92% through advanced feature extraction and deep-learning optimization.
- Enhanced dataset quality through image preprocessing, augmentation, and hyperparameter refinement, increasing model robustness and prediction reliability by 35% across evaluation metrics.
- Produced end-to-end project documentation covering data engineering, model development, performance assessment, and results interpretation, improving research transparency and reproducibility by 40%.

SKILLS

Languages
Python, SQL

Technologies
Machine Learning, Deep Learning, NLP (NLTK)

Databases
MySQL | MS-Excel | Tableau | Google Analytics |Qualitative & Quantitative Analysis

Developer Tools
Git, Postman, VS Code, Google Colab , Jupyter Notebook

Data Analytics & Processing:
Data Cleaning | Data Preprocessing | Data Transformation | Data Wrangling | ETL (Extract, Transform, Load) | Data Visualization

Professional Skills
Pioneered a data validation system utilizing Python, curtailing data entry errors by 20% and freeing up 7 hours per week for the team to focus on advanced analytics.

CERTIFICATES

Machine Learning - Kaggle

Internshala Data Science Intern Programme