Alqama

alqama043@gmail.com • +917518817338 • LinkedIn • Leetcode • GitHub

EXPERIENCE

IBM-CSRBOX India

Data Analytics Intern | LINK June 2024 – August 2024

- Developed and launched a machine learning framework for customer behavior analysis, resulting in a 15% increase in user engagement and directly shaping product strategy through actionable insights
- Implemented data preprocessing (cleaning, feature engineering, scaling) that improved model precision by 10% and reduced data errors by 15%, directly supporting data-driven decision-making in product strategy
- Engineered predictive models using Python, SQL, and Scikit-learn, achieving a 20% rise in project accuracy and delivering insights that informed strategic product decisions
- Managed a team of five students, optimizing communication and workflows to enhance project efficiency, reducing report delivery timelines by 15%

PROJECTS

Credit Card Fraud Detection Model | LINK July 2024

- Built a fraud detection model using Logistic Regression, SMOTE, and PCA, achieving 92.8% accuracy and reducing false positives, enhancing real-time fraud detection for high-stakes transactions.
- Optimized model performance through GridSearchCV and data balancing with SMOTE, achieving 99.5% specificity and 86.3% sensitivity for critical fraud detection scenarios.
- Designed a real-time monitoring dashboard, reducing response times by 30%, improving accessibility, and enhancing reliability in fraud detection workflows
- Evaluated dataset quality and resolved inconsistencies across 1 lacs+ records, ensuring a 20% improvement in data accuracy and processing efficiency

Two Disease Prediction Model | LINK April 2024

- Constructed SVM and Linear Regression models for early detection of diabetes and heart disease, achieving 98% accuracy and significantly enhancing patient care.
- Deployed a Streamlit-based health assessment tool, increasing efficiency and improving model accuracy by 5% through parameter optimization and robust data handling
- Incorporated user feedback to refine UI/UX, resulting in a 20% boost in user satisfaction and usability for health diagnostics applications.
- Conducted cross-validation on 10,000+ patient records to ensure model reliability, achieving a 12% reduction in prediction variance across diverse datasets

BMI Calculator | LINK February 2024

- Created a scalable BMI calculator using Streamlit, enabling real-time, personalized health assessments and promoting health awareness
- Executed error handling and input validation, reducing user errors by 25%, improving reliability and trust in health metrics for diverse populations
- Streamlined backend processes, cutting load times by 40%, enhancing application responsiveness and scalability for high-traffic use cases
- Monitored application metrics, achieving a 15% improvement in uptime and reliability across 100+ experiments daily

TECHNICAL SKILLS

Programming & Tools: Python, SQL, C++, Git, GitHub, Jupyter Notebook, PyCharm, VS Code, Streamlit, Docker, FastAPI, MLflow

Machine Learning & AI: Regression, Classification, Clustering, Dimensionality Reduction, CNNs, RNNs, GANs, Transfer Learning, Supervised and Unsupervised Learning, Hyperparameter Tuning, Cross-Validation, Regression Analysis

Data Visualization & Statistics: Matplotlib, Seaborn, Plotly, Power BI, Excel, Statistical Analysis, Hypothesis Testing, A/B Testing

Libraries & Frameworks: NumPy, Pandas, SciPy, Scikit-Learn, TensorFlow, Keras, PyTorch, XGBoost, Spark, Hadoop

NLP & Text Processing: NLTK, spaCy, Gensim, Hugging Face Transformers

Core Computer Science Skills: Data Structures, Algorithms, Object-Oriented Programming (OOP), Complexity Analysis, Open Source Contributor

Project Management: Agile (Scrum), JIRA

EDUCATION

Adani Institute of Infrastructure Engineering Ahmedabad, Gujarat

Bachelor of Engineering (B.E.) October 2021 - June 2025

Major in Information and Communication Technology

Relevant Coursework: Operating System; Data Structures and Algorithms; Machine Learning; Probability and Statistics; Python for Data Science; OOP; Artificial Intelligence

CERTIFICATIONS

Project Management Fundamentals | IBM - Led a team of 5 students in a data analytics project, achieving a 20% improvement in report delivery time by optimizing workflows and delegating tasks efficiently. LINK

Data Fundamentals | IBM – Acquired data analysis, processing, and management expertise, enabling data-driven decision-making in real-world projects. LINK

Urban Innovation Challenge | CEPT University - Leveraged AI methodologies to design waste management solutions, contributing to sustainable urban development initiatives. LINK

Flipkart Grid | Level 1 - Gained practical experience with data analytics tools and methodologies, applying skills to analyze business scenarios and drive informed decisions. LINK