

# ALQAMA

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## TECHNICAL SKILLS

- **Programming & Tools:** Python, SQL, Git, Streamlit, Docker, VS Code, Jupyter, PyCharm
- **Experimentation & Deployment:** MLflow, Databricks, A/B Testing, GridSearchCV, Model Tracking
- **Libraries & Frameworks:** NumPy, Pandas, Scikit-Learn, TensorFlow, PyTorch, Transformers, OpenCV,
- **Familiar with:** Vector Embeddings, Retrieval Models, CTR/Recall/NDCG Metrics, LLMs, and Workflow Automation
- **Machine Learning & AI:** Classification, Clustering, Recommender Systems, YOLOv8, CNNs, RNNs, GANs, Transfer Learning, Supervised and Unsupervised Learning

## EDUCATION

### Bachelor of Engineering (B.E.) - Information and Communication Technology

Adani Institute of Infrastructure Engineering, Ahmedabad, Gujarat

August 2021 – June 2025

**Relevant Coursework:** Probability & Stats | Python | ML | Operating | Operating System | Discrete Mathematics

CGPA: 7.26/10

## EXPERIENCE

### EmergingFive | AI-ML Intern

Feb 2025 – April 2025

Multi-brand Logo Detection & Recognition System | Python, YOLO, TensorFlow, OpenCV

- Developed and deployed a YOLOv8-based object detection pipeline to identify multiple brand logos in static and dynamic advertisement media
- Engineered a Streamlit interface to visualize real-time logo recognition with confidence scores, supporting downstream analysis for ad exposure
- Designed a logic framework to estimate logo screen-time percentage, laying the foundation for a full-stack analytics system for campaign auditing
- Collaborated cross-functionally to define future modules for advertisement tracking, including time-series analysis and screen exposure metrics

### IBM-CSRBOX | Data Analytics Intern | [LINK](#)

June 2024 – August 2024

Customer Behaviour Analysis | Python, Machine Learning, Streamlit

- Constructed customer segmentation models using clustering algorithms to extract behavioral insights that informed personalized marketing campaigns
- Conducted end-to-end data processing and statistical analysis, reducing input noise by 15% and increasing prediction stability for engagement metrics
- Delivered executive-ready visual reports on customer trends and product affinity, driving strategy shifts in user retention and targeting
- Maintained sprint-based task cycles with a five-member team, ensuring all deliverables met data integrity standards and stakeholder timelines

## PROJECT

### Model Credit Card Fraud Detection | [LINK](#)

June 2024 - July 2024

- Formulated a fraud analytics solution utilizing Logistic Regression, SMOTE, and PCA, reaching 92.8% classification accuracy in real-time detection
- Tuned parameters using GridSearchCV and achieved 86.3% sensitivity, minimizing false negatives in transactional risk analysis
- Constructed interactive dashboards that improved fraud response time by 30%, enhancing risk mitigation workflows for financial services
- Validated and cleansed a dataset of over 100,000 records, resulting in a 20% boost in reporting accuracy and model reliability.

### Two Disease Prediction Models | [LINK](#)

April 2024 – May 2024

- Assembled dual ML pipelines using SVM and Regression techniques to detect diabetes and heart disease with 98% prediction accuracy
- Released a production-grade Streamlit tool integrated with real-time metrics, shortening diagnosis latency and improving engagement
- Enhanced user interactions by embedding feedback loops into the app UI, raising usability satisfaction by 20%
- Performed k-fold cross-validation to minimize prediction drift across patient records, refining output consistency by 12%

### BMI Calculator | [LINK](#)

February 2024

- Built a lightweight, interactive BMI calculator using Streamlit for real-time health metric feedback
- Applied input validation and error-handling techniques to improve usability and reduce invalid submissions by 25%
- Customized UI components to ensure accessibility across devices, improving adoption in diverse user groups
- Monitored user interaction data to iteratively enhance interface clarity, contributing to a smoother user experience.

## CERTIFICATIONS

**Project Management Fundamentals** | IBM - Led 5-member team; optimized delivery cycle by 20% through structured delegation. [LINK](#)

**Data Fundamentals** | IBM - Mastered core concepts in structured data handling, ETL pipelines, and decision support analysis. [LINK](#)

**Urban Innovation Challenge** | CEPT University - Developed AI-powered waste management algorithms for smart city applications. [LINK](#)