

ALQAMA

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TECHNICAL SKILLS

- **Programming & Tools:** Python, C++, SQL, HTML, CSS, JS, Git, Streamlit, Docker, Jupyter, PyCharm, Spark, MS Azure
- **Experimentation & Deployment:** MLflow, Streamlit, Databricks, A/B Testing, GridSearchCV, Model Tracking
- **Machine Learning & AI:** Classification, Regression, CNNs, RNNs, GANs, Transformers, Transfer Learning, Supervised and Unsupervised Learning, Ensemble Learning, Feature Engineering, Decision Trees, SVM, RAG, Hypothesis Testing
- **Libraries & Frameworks:** NumPy, Pandas, Scikit-Learn, TensorFlow, PyTorch, OpenCV
- **Familiar with:** Gen-AI, Vector Embeddings, Retrieval Models, CTR/Recall/NDCG Metrics, LLMs, Workflow Automation

EDUCATION

Bachelor of Engineering (B.E.) - Information and Communication Technology *August 2021 – June 2025*
Adani Institute of Infrastructure Engineering, Ahmedabad, Gujarat
Relevant Coursework: Prob & Stats | Linear Algebra | Calculus | Optimization Methods | Distributed Computing | ML | OS
CGPA: 7.26/10

EXPERIENCE

EmergingFive | AI-ML Intern *Jan 2025 – April 2025*
Multi-brand Logo Detection & Recognition System | Python, YOLO, TensorFlow, OpenCV

- Created and implemented a YOLOv8 object detection pipeline capable of identifying various brand logos in both static and dynamic advertisement formats
- Developed a Streamlit interface for real-time logo recognition display, featuring confidence scores that aid in analyzing ad exposure
- Established a logical framework to calculate the percentage of time logos are displayed on screen, setting the groundwork for a comprehensive analytics system for campaign audits
- Worked collaboratively across teams to outline future advertisement tracking modules, including time-series analysis and metrics for screen exposure

IBM-CSRBOX | Data Analytics Intern | [LINK](#) *June 2024 – August 2024*
Customer Behaviour Analysis | Python, Machine Learning, EDA

- Engineered a customer segmentation model leveraging clustering algorithms to derive behavioral insights that guided personalized marketing campaigns
- Executed comprehensive data processing and statistical analysis, cutting input noise by 15% and enhancing prediction stability for engagement metrics
- Presented polished visual reports for executives on customer trends and product preferences, influencing strategy changes in user retention and targeting
- Managed sprint-based task cycles within a five-member team, ensuring all deliverables adhered to data integrity standards and met stakeholder deadlines

PROJECTS

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](#)