

NAJMUS SAKIB

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PROFESSIONAL EXPERIENCE

SCRIPT CARE LTD, BEAUMONT, TX, OCTOBER 2024 TO SEPTEMBER 2025

DATA ANALYST

- Analyzed 10M+ pharmacy claims using SQL and Python to identify cost drivers, improving pricing accuracy by 15%.
- Built automated utilization and cost-containment reports in Tableau and Excel, reducing manual reporting time by 40%.
- Developed predictive models to forecast claims cost and detect utilization outliers, flagging \$250K+ in discrepancies.
- Conducted variance and trend analyses on financial and claims data, improving operational efficiency by 20%.
- Validated analytical reports for compliance, ensuring 100% audit readiness for state-level PBM submissions.

LAMAR UNIVERSITY, BEAUMONT, TX, MARCH 2024 TO OCTOBER 2024

RESEARCH ASSISTANT (DATA SCIENTIST)

- Scraped and compiled 27,000+ disaster-related tweets across 9 major events using BeautifulSoup and Python.
- Engineered labeled datasets with tweet text, timestamps, and relevance classification for supervised ML models.
- Applied ML models (Logistic Regression, SVM, LSTM) to classify disaster tweets, flagging events within 4 minutes.

LAMAR UNIVERSITY, BEAUMONT, TX, JANUARY 2022 TO FEBRUARY 2024

DATA ANALYST

- Built ML models using Python (Scikit-learn, Pandas) predicting student success, increasing retention rates by 10%.
- Created Strategic Educational Data Insight Engine using Pandas and Matplotlib for 520 faculty members.
- Engineered SVM-based course recommendation system optimizing selection for 8,000+ students using GPA trends.
- Developed Python pipelines transforming academic data into strategic presentations supporting executive decision-making.

AMAZON MUSIC, LOS ANGELES, CA, MAY 2023 TO AUGUST 2023

SOFTWARE DEVELOPMENT ENGINEER INTERN

- Enhanced art19 platform with dynamic feature flag service, boosting deployment efficiency by 20%.
- Developed React.js interface for real-time feature management, improving operability for 200+ team members.
- Established centralized feature flag architecture reducing configuration errors and streamlining deployment workflows.

WEB AND DEVELOPMENT SERVICE CENTRE, NITW, WARANGAL, INDIA, JULY 2018 TO OCTOBER 2020

DATA ANALYST

- Developed data-driven dashboards for 10K+ users, enabling departments to track KPIs and optimize performance using Python.
- Created and maintained reporting frameworks to track project outcomes, enhancing transparency and collaboration across digital teams.

SKILLS

- Programming & Data Engineering:** Python, SQL, JavaScript, TypeScript, Pandas, NumPy, Scikit-learn
- Data Visualization & Frontend:** Streamlit, Plotly, Pydeck, Tableau, React, GeoJSON, Matplotlib
- Geospatial & Civic Data Tools:** Geographic data analysis, county-level visualization, election data processing, map-based analytics
- Backend & Infrastructure:** Django, REST APIs, Git, GitHub, data pipelines, React.js, Ember.js
- AI & Automation:** OpenAI API, Claude Code, machine learning pipelines, automated insight generation

EDUCATION

- M.Sc. in Computer Science**, Lamar University, Beaumont, TX — (December 2023)
- B.Tech. in Computer Science and Engineering**, NIT Warangal, India — (August 2021)

PROJECTS

SoccerIQ - AI Football Analytics Tool (Python, Streamlit, LangChain)

- Built an analytics platform analyzing 38-match seasons across Soccer leagues, generating 10+ KPIs and automated AI summaries.

Fraud Risk Prediction - Credit Card Transactions (Python, Scikit-learn)

- Developed end-to-end fraud detection with SMOTE-based balancing and model tuning; achieved 98.3% ROC-AUC and 89% recall.

GAN-Based Image Generation for Semantic Layouts (Python, PyTorch, MS COCO)

- Built a GAN model with Attentive Normalization achieving FID 38.02, outperforming pix2pix and sg2im in fidelity and recognition.