Shaik Samdan

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EDUCATION

RGUKT Srikakulam   Srikakulam, India
B. Technology   *2020 – 2024*

WORK EXPERIENCE

Data Scientist   Sept 2024 – Aug 2025
AceEngineer (Remote, Houston, TX)

- Collected and aggregated data from 10+ diverse sources using advanced web scraping tools and strategies, building comprehensive datasets with over 100,000 records.
- Performed comprehensive data analysis and created 25+ insightful visualizations to support data-driven decision making, improving business insights by 40%.
- Built and maintained 8 interactive dashboards to deliver impactful business insights, reducing reporting time by 60%.
- Contributed to open-source repositories with 500+ commits, fostering collaboration and supporting the wider data community with 1,000+ total downloads.

PROJECTS

Ecom-Sales Predictor – GitHub

- Developed a sequential ML pipeline to predict product success using sales data, achieving 100% accuracy.
- Improved baseline model ROC-AUC from 82.4% $\rightarrow$ 90.3% for neural networks.
- Reduced model training time by 60% through optimized RandomizedSearchCV tuning.

Tech stack: Python, Scikit-learn, Neural Networks, XGBoost, Flask, SQL

AI Forecast – GitHub

- Pioneered an extensive market intelligence system to predict global AI market trends, achieving $R^2 = 0.857$ accuracy.
- Developed predictive models with cross-validation scores demonstrating robust performance.
- Built an interactive Streamlit dashboard featuring 12 real-time KPI metrics and 7 dynamic visualizations.

Tech stack: Python, Time-Series, Random Forest, Streamlit, SQL, Data Visualization

Oil & Gas Data Analysis – GitHub

- Contributed to Oil & Gas Data project focused on analyzing datasets from the BSEE website.
- Improved data extraction processes using Scrapy to extract structured data from web databases.
- Generated compelling data visualizations using Matplotlib (static) and Plotly (interactive).

Tech stack: SQL, PostgreSQL, Web Scraping, Data Analysis, Visualization

TECHNICAL SKILLS

Programming Languages: Python, SQL, YAML

Machine Learning & Deep Learning: Feature Engineering, Classification, Regression, Correlation, Cross Validation, Hyperparameter Tuning, Scikit-learn, XGBoost, Random Forest, Neural Networks, MLP Classifier, Text embeddings

Data Science & AI: Data Analysis, Data Wrangling, Data Preprocessing, Data Visualization, NumPy, Pandas, Agentic AI, Claude Code, GitHub Copilot

Web Development & APIs: Web Scraping, FastAPI, Streamlit, API Development

Visualization & Tools: seaborn, Plotly, Jupyter Notebook, VS Code

Databases: SQL Server, MySQL

MLOps & Dev Tools: Git, GitHub, CI/CD Pipelines, GitHub Actions, Microsoft Office Suite, Markdown

Languages

English
Telugu
Hindi