SAMEERA TANVEER

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GitHub
LinkedIn
Medium

Aspiring Data Analyst with hands-on experience in SQL, Python, Power BI, and machine learning. Passionate about turning data into actionable insights and building impactful solutions.

EDUCATION

Bachelor of Technology in Artificial Intelligence & Data Science — **2021 – 2025**, **HYD, IN**

Shadan Women's College of Engineering and Technology (SWCET), Affiliated to JNTUH
***Current CGPA*:** 8.0 (Cumulative till 6th Semester)
Coursework: Statistics, Database Management, Data Analytics, Machine Learning, Deep Learning, Cloud Computing, Data Wrangling & Visualization

SKILLS

Languages	Python, SQL,
Frameworks	Pandas, NumPy, Scikit-Learn, Matplotlib, Flask
Analysis & Visualization Tools	Power BI, Excel, PowerPoint, MySQL, MS SQL, Tableau, Data collection (API, Web Scraping), Data Modelling, ETL, Dashboards, Statistics
Platforms	Visual Studio Code, Jupyter Notebook, GitHub
Soft Skills	Excellent Communicator, Leadership, Negotiation, Problem-Solving, Responsibility & Accountability, Critical Thinking, Strong attention to detail, Networking & Community Building

EXPERIENCE

Rubixie AI Solutions Company — **May 2024 – Nov 2024**, **Remote**

Data Science Consultant | *Internship Certificate*

- Led a team to complete 4 data science projects, collaborating closely to ensure project success and meeting deadlines. Strengthen communication skills by presenting findings to the team and stakeholders, ensuring clarity and actionable insights.
- Gained hands-on experience in data cleaning, preparing datasets that required extensive cleaning and preprocessing to ensure high-quality data for analysis. Applied machine learning algorithms to build and optimize models, improving prediction accuracy and model performance.

PROJECTS

Bank Loan Data Analysis | *GitHub Repository*

- Analyzed **38K+ loan records** using **SQL** and **advanced DAX** to identify trends in loan approvals, defaults, and risk factors.
- Created an interactive **Power BI dashboard** to visualize loan status, approval patterns, and default risk, providing actionable insights for better decision-making.

Loan Default Analysis & Prediction System | *GitHub Repository*

- Analyzed financial data of **255K+ borrowers** using Python for in-depth loan default analysis.
- Achieved **88.6% accuracy** in predicting loan defaulters using a fine-tuned Random Forest model.
- Developed a **Flask Web App & API** to automate predictions and dynamically save results.
- Built an interactive **Power BI Dashboard** visualizing key insights and tracking prediction growth.

Stock Price Prediction Using Sentiment Analysis (Ongoing) | *GitHub Repository*

- Collected **5 years of stock price data** for MSFT, AMZN, AAPL, JPM, GS, and WFC using yfinance.
- Web-scraped **financial news** and performed **sentiment analysis** to capture market sentiment trends.
- Engineered features such as **MTVD, sentiment scores, and volatility measures**, merging stock and news data based on dates.
- **Planned Next Steps:** Currently training predictive models (XGBoost, LSTM) to enhance forecasting accuracy, with plans to deploy a Flask-based web app.

LEADERSHIP & AWARDS

1. Elected Class Representative for 3 consecutive years, leading academic discussions and organizing tech events.
2. Recognized as 'Best Team Player' in internship for exceptional collaboration & problem-solving.