

# JEET SINGH

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## SUMMARY

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Analytical powerhouse with a sharp business mindset and a passion for solving complex problems through data. Pursuing an M.S. in Business Analytics with hands-on expertise across predictive modeling, anomaly detection, and real-time dashboarding. Adept in Python, SQL, and full-stack analytics solutions that translate insights into strategy. Proven ability to lead projects end-to-end — from scoping and modeling to visualization and executive reporting — with a track record of delivering measurable impact.

## EDUCATION

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University of the Pacific, Stockton, California, United States

(Expected: Dec 2025)

*Master of Science in Business Analytics*

GPA 3.96

Bennett University, Greater Noida, Uttar Pradesh, India

June 2024

*Bachelor of Technology in Computer Science Engineering (AI Specialization)*

## SKILLS

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**Programming:** Python, R(basic), SQL, JavaScript, HTML/CSS, C++

**Tools & Libraries:** Pandas, NumPy, Scikit-learn, TensorFlow, Power BI, Tableau, Streamlit, Grafana, Git

**Tech Stack:** Flask, Angular, MySQL, FastAPI, React (basic), Data Science: Regression, Classification, SARIMA, Feature Engineering

**Cloud & Platforms:** Google Cloud, GitHub Pages, BigQuery

## CERTIFICATIONS

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Google Data Analytics (April 2023)

Deep Learning (Dec 2022)

Graph Analytics for Big Data (April 2023)

AWS Machine Learning Foundations (April 2022)

## EXPERIENCE

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Artificial Intelligence Intern — Jio Platforms Ltd

Aug 2023 - June 2024

- Spearheaded the development of time series forecasting models using SARIMA, boosting sales prediction accuracy by 89%, driving smarter resource planning.
- Designed and deployed a robust anomaly detection framework to proactively flag network performance disruptions, improving response time and uptime reliability.
- Integrated a GenAI-based query interface into an analytics dashboard, enabling business users to generate insights using natural language, reducing the report turnaround time by 60%.

## PROJECTS

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**Real-Time Stock Market Sentiment Analysis** [GitHub Repo](#)

Built a full-stack ML pipeline combining live sentiment data (NewsData.io, GNews) and financial APIs (Yahoo, Twelve Data) to classify stock movement. Created dashboards in Streamlit and Grafana. All data and predictions are stored in MySQL and BigQuery.

**F1 Race Outcome Prediction (2025 Season)** [GitHub Repo](#)

Engineered ML/DL models (LogReg, RF, XGBoost, Neural Net) to predict podiums based on driver history, ELO ratings, and qualifying statistics. Included custom feature engineering and class balancing.

**U.S. Crime Analytics Project (2020–2023)** [GitHub Repo](#)

Unified city- and country-level analysis of crime data using LAPD and FBI datasets. Visualized seasonal patterns and crime hotspots using Python, Matplotlib, and Folium. Applied regression models to explore correlations between crime rates and socioeconomic indicators (e.g., poverty, education, density). Interactive heat maps and predictive insights provided to guide law enforcement strategy.

**Diamond Dashboard Analysis** [GitHub Repo](#)

Created Power BI dashboards that compare natural vs. lab-grown diamond trends. Used Excel with Power Automate for dynamic updates.