

Pulkit Jain

| Senior Year | IIT Jodhpur | ✉️ jain.78@iitj.ac.in | ☎️ +91-9468656865 | [Portfolio](#)

EDUCATION

IIT JODHPUR

B.TECH IN MECHANICAL ENG.

MINOR IN MANAGEMENT

2021-2025*

CGPA - 7.57 (TILL 7TH SEM)

SGPA - 9 (7TH SEM)

ST. ANSELM SR. SEC. SCHOOL

MAY 2018 | JAIPUR, INDIA

X : 95 %

ST. EDMUND SR. SEC. SCHOOL

MAY 2020 | JAIPUR, INDIA

XII : 91 %

LINKS

📄:// Pulkit-2002

in:// Pulkit Jain

COURSEWORK

UNDER-GRADUATE

TECHNOLOGY

- Data Structures and Algorithms
- Intro To Machine Learning
- Intro To Computer Science
- Signals and Systems
- Scientific Computations
- Linear Algebra and Calculus

MANAGEMENT

- Product Operations & Management
- Managing Human Capital

MOOC

- Deep Learning
- Probability & Statistics
- Data Science & Analytics

SKILLS

PROGRAMMING

- SQL • C++ • Python
- HTML • CSS • JavaScript
- C • LaTeX • Matlab • React

WEB TOOLS AND UTILITIES

- PowerBI • Tableau • Sci-Kit Learn
- Pandas • Numpy • TensorFlow • Git
- Keras • OpenCV • MongoDB

OTHER SKILLS

- Mathematics • DBMS • GARCH
- Monte Carlo Simulation
- ARIMA • Black-Scholes Model
- Time Series Forecasting

EXPERIENCE

ALTRUISM | AI ENGINEER | MAY 24 - JUNE 24 |

- Developed NLP algorithm and optimized ML model to extract insights and improve system performance.
- Built a prototype AI for automated data analysis and reporting to support client needs.
- Collaborated on integrating AI technologies into products, enhancing customer-facing features.

PURELYTICS | DATA ANALYST | JUNE 24 - AUG 24 |

- Cleaned and standardized datasets, performed EDA, and created visualizations to uncover insights.
- Identified key regions for business expansion to boost sales and profitability.
- Presented findings to leadership, influencing data-driven strategy decisions.
- Analyzed data to recommend optimal locations for business expansion by identifying high-potential states and cities, in order to maximize profitability.

PROJECTS

STOCK PRICE PREDICTOR | 📊

- Advanced MLP and LSTM models engineered for precise stock price predictions and to familiarize with neural networks and ML.
- Proficiently acquired and pre-processed financial data using Python and Pandas. Implemented robust backtesting, utilizing metrics like MSE and MAE for model assessment.

RISK ASSESSMENT AND PORTFOLIO OPTIMIZATION | 📊

- Built a portfolio risk assessment tool using statistical techniques such as Monte Carlo simulations and Value-at-Risk (VaR).
- Analyzed the performance of diversified portfolios in varying market scenarios using Python and Tableau.
- Provided actionable recommendations to optimize risk-adjusted returns.

MARKET SENTIMENT ANALYSIS | 📊

- Developed a market sentiment analysis tool by analyzing financial news headlines and tweets to predict potential market movements.
- Utilized NLP techniques (sentiment scoring, tokenization) and financial datasets. Integrated insights into a user-friendly dashboard for traders.

AI FOR FINANCIAL DATA ANALYSIS | 📊

- Developed an AI prototype for automated financial data processing (CSV, JSON, Excel), including regression, clustering, and predictive analysis tailored for market trends.
- Generated interactive dashboards with Power BI/Tableau for market insights, emphasizing real-time data-driven decision-making. Integrated NLP for querying market-related insights seamlessly.

ACHIEVEMENTS

- Certifications in financial modeling & market analysis by **JP Morgan & Chase**.
- Among the **top 0.3 percent** scorers of **JEE Advanced**.
- Among the **top 0.5 percent** scorers of the **12th Board Examinations**.
- **All India Top scorer** of **Data Analyst** Exam (PET)
- **All India Top scorer** of **Data Engineering** Exam (PET)