

TEJAS PADAVALAMANE

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EDUCATION

Illinois Institute of Technology, Chicago, IL

Aug 2023 – May 2025

Masters in Information Technology and Management Concentration
in Data Analytics and Management, GPA 3.88/4.0

K.S. Institute of Technology, Bengaluru, India

Aug 2016 – Aug 2020

Bachelor of Engineering, Electronics and Communication, GPA 3.390 /4.0

SKILLS

Data Analysis & Visualization: MS Excel, MS Office, MySQL, Oracle, R, Tableau, JIRA, Python, MS Fabric, Power BI.

Libraries/Frameworks: Pandas, Numpy, Matplotlib, Scikit-learn, ggplot2.

Statistics: Linear Regression, ANOVA, Hypothesis Testing, Time Series Plots.

Relevant Course work: Advance Topics in Data Management, Programming for Data Analytics, Modern Data Warehouse, Data Mining and Machine Learning.

WORK EXPERIENCE

INFOSYS, Bengaluru, India

Apr 2022 – Aug 2023

Systems Engineer

- Developed advanced SQL queries resulting in a **20%** improvement in data analysis efficiency and a **15%** optimization in database performance.
- Excelled in production support, reducing issue resolution time by **25%** through proficient analysis and **application support**.
- Led cross-functional collaboration, enhancing customer satisfaction ratings by **25%** and on-time project deliveries by **15%**.
- Utilized expertise in **JIRA, Nimbus, Splunk, Autosys, Procmon, Grafana**, and other supporting tools to streamline processes and enhance efficiency.

HUDDL India Pvt.Ltd, Bengaluru, India

Jun 2021 - Mar 2022

Sports Analyst

- Conducted in-depth **data analysis** focused on sporting events, specializing in major sports including American football (NFL), Basketball (NCAA), and Volleyball.
- Achieved a remarkable 94% accuracy rate through the analysis of over **2000** sporting events.
- Implemented measures to boost accuracy, resulting in an impressive increase from **75% to 94%**.
- Directed the thorough evaluation and precise data input of player performance metrics into **Excel spreadsheets**, guaranteeing **100%** accuracy and completeness; resulting data integrity significantly improved decision-making processes for key stakeholders.
- Created and managed visualization dashboards using **Power BI** and **Excel**, enhancing data presentation and provided actionable insights.
- Identified and resolved data accuracy issues by implementing standardized data validation processes and templates, leading to a **25%** increase in data accuracy and improved decision-making for decision-makers.

XYID Pvt.Ltd, Bengaluru, India

Aug 2020 – Jun 2021

Data Analyst Intern

- Analyzed large datasets using **SQL, Python, and Excel**, optimizing data processing and reducing analysis time by **15%**.
- Developed automated **Power BI dashboards**, streamlining reporting processes and increasing efficiency by **30%**.
- Delivered actionable insights to stakeholders, driving improvements in business strategies and operational processes by **20%**.

CERTIFICATIONS

- Google Data Analytics Professional Certificate**

ACADEMIC PROJECT EXPERIENCE:

Data Analyst

Jan 2024 – Apr 2024

Cryptocurrency OHLCV Dataset Prediction

- Analyzed OHLCV data to back test trading strategies, achieving a 15% average annual return.
- Determined historical trends in Bitcoin futures leveraging OHLCV data, improving price movement prediction accuracy by 70%.
- Created a real-time cryptocurrency price prediction system updating on a minute timeframe deploying an ensemble of **SVM, Random Forest, GARCH, T-distribution models** and processing.

Modern Data Warehouse Implementation

- This project involved the design and implementation of a modern data warehouse utilizing Microsoft Fabric, employing the Medallion architecture to enhance data processing and analytics workflows. The Medallion architecture incorporates scalability, modularity, and performance optimization through its distinct layering: Bronze, Silver, and Gold.
- Tools used:** Lakehouse, Synapse Data Engineering, Notebook, Schematic Model, Power BI, Data Pipeline

Data Analyst

Aug 2023 – Dec 2023

Movie Rating Analysis| Analyzed IMDB ratings using R Programing

- Conducted **Exploratory Data Analysis (EDA)** with 3 key visualizations (**Histogram, Boxplot, and Overlay Histogram**).
- Obtained a 94% accuracy increase in **hypothesis testing**.
- Built a **linear regression** model with a **25%** improvement in predictive capabilities.