

Naushil Khajanchi

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Education

University Of Southern California

August 2023 – May 2025

Masters in Computer Science (GPA: 3.6/4)

Coursework: Machine Learning in Data Science, NLP, Analysis of Algorithms, Web Technology, Database Systems

Indus University

July 2019 – May 2023

Bachelors of Technology in Computer Science and Engineering (GPA: 3.98/4)

Technical Skills

Languages: Python, C++, HTML, CSS, SQL, Javascript, Angular, NodeJS, ExpressJS, Kotlin, R Programming Language
Databases: MySQL, SQL Server, MongoDB, NoSql, Kaggle
Tools: Git, Github, GitLabs, VSCode, Google Cloud Platform, AWS SageMaker

Data Visualizaton: Tableau, Streamlit, Seaborn, Matplotlib
Data Analysis and Machine Learning Libraries: Pandas, Scikit-Learn, NLP, , Nvidia Merlin, Tensorflow, Pytorch, Matlab
Business Intelligence and Analytics: Google Analytics, Power-BI, MS Excel, Statistics, A/B Testing, Looker, ETL

Professional Experience

Machine Learning Engineer Intern

May 2024 – July 2024

WorkUp

United States

- Developed a reverse recommendation system using a questionnaire, psychoanalysis, and job fit analysis, achieving a 40% increase in candidate-recruiter matches. Worked with the Artificial Intelligence team, providing support and integration.
- Created business-to-business models to streamline and optimize recruitment process, leveraging deep learning models with NVIDIA technology, resulting in a 30% increase in recruiter efficiency.
- Implemented advanced analytics tools and techniques to drive data-informed decision-making, contributing to a 25% boost in overall analytics performance.

Data Scientist Intern

December 2022 – May 2023

Prompt Softech

India

- Engineered a Long Short-Term Memory (LSTM) network and Random Forest Regression predictive model for stock forecasting, with over 80% accuracy in projecting stock market trends and supporting more insightful investment decisions.
- Conducted an in-depth analysis of the Adani stock decline, correlating findings with Hindenburg Research's allegations; insights informed strategies, enabling the analysts to enhance forecasting accuracy for 25 key stocks in the portfolio.
- Created an interactive dashboard using Streamlit to deliver stakeholders real-time insights from Yahoo Finance, Google News, and Twitter; boosted decision-making efficiency across 10 teams.

Consulting (IT Support and Business Analytics)

November 2020 – February 2021

Ambica Trading Co.

India

- Increased operational precision through a Streamlit-powered frontend, synchronizing stock management of over 200 products between sales floor and warehouse. Reduced stock discrepancies by 25% and boosted efficiency, enhancing user experience.
- Designed and executed a streamlined inventory tracking system, using Python, Pandas, and other tools to analyze two CSV files and identify discrepancies with a 98% accuracy rate, optimizing product management through quantitative analytics.
- Conducted preemptive troubleshooting and system updates for Windows OS and MS-DOS systems, reducing downtime by 20% and ensuring smooth operations, driving business growth.

Projects

Sports Data Analytics | DAX Query, Power BI, Python, Javascript

February 2024 – March 2024

- Spearheaded web scraping to collect T20 World Cup data from ESPN Cricinfo, ensuring a comprehensive dataset for analysis.
- Enhanced Python Pandas for detailed data cleaning and transformation, followed by Power Query for further refinement, leading to a 25% improvement in data accuracy and a 30% increase in consistency.
- Leveraged DAX for robust data modeling and parameter building, culminating in creation of interactive Power BI dashboards to extract actionable insights and select final 11-player team for a hypothetical alien competition.

Dynamic Stock Search & Analysis Web App | MEAN Stack, Google Cloud Platform

January 2024 - February 2024

- Executed MEAN stack with MongoDB, Express.js, Node.js, and Angular for a JavaScript-based solution, featuring real-time updates every 15 seconds and user interactions through watchlists and portfolio management.
- Implemented HighCharts within Angular framework, achieving a 40% improvement in real-time data visualization accuracy and enabling interactive analysis of stock market trends with a 50% faster response to live data feeds and product optimization.
- Deployed backend on Google Cloud Platform with Google App Engine, improving real-time stock insights by 25% and streamlining data processing and visualization.

Forecast Finesse | Python, Streamlit

January 2023 - May 2023

- Formulated and integrated a stock price analysis system featuring a forecasting tool and sentiment analysis for news and Twitter, consolidated on a real-time dashboard; increased predictive accuracy by 25% and user engagement by 40%.
- Pioneered implementation of a robust suite of technical indicators, including RSI, SMA, and EMA; this initiative generated insights from over 500 data points, enhancing overall market analysis capabilities and integrating financial risk assessments.
- Constructed and operationalized a recommendation system, fine-tuning technical indicators to improve analysis accuracy by 20% and deliver actionable data-driven insights.