

HRISHANK CHHATBAR

Los Angeles, CA | 213-756-7328 | hchhatba@usc.edu | <https://www.linkedin.com/in/hrishankk/>

EDUCATION

University of Southern California

Los Angeles, CA

Master of Science in Engineering Management

Dec 2025

Minor in Business Analytics from USC Marshall School of Business

GPA: 3.85

Relevant Subjects: Statistics for Engineering Managers, Applied Time Series Analysis for Forecasting, Data Warehousing Business Intelligence and Data Mining, Designing Spreadsheet-Based Business Models, Driving Business Transformation with GenAI and ML

MIT World Peace University

Pune, India

B. Tech in Electrical and Electronic Engineering

Aug 2023

Relevant Subjects: Intro to Python, Optimization Techniques, Machine Learning Techniques, DBMS, Intro to Cloud Computing.

SKILLS

- Technical Skills: Python, SQL, R, Java, Excel, PowerBI, Tableau, ETL Pipelines (Hadoop, Spark), Automation Anywhere 360 (AA360), MS Azure Cognitive Services, Machine Learning (TensorFlow, Keras, PyTorch, GPT-3.5, NumPy, Scikit-learn), Flask, Git/GitHub, REST API, Postman.
- Soft Skills: Problem-Solving, Strategic Decision-Making, Cross-Functional Collaboration, Process Optimization, Leadership.

WORK EXPERIENCE

IDEaS Revenue Solutions

India

Data Science Intern - Business Process Analyst

Jan 2023-Aug 2023

- Collaborated with cross-functional U.S. teams to develop **data-driven pricing** models for 3-star hotels, leveraging **A/B testing**, **Python**, **SQL**, and **Scikit-learn**. Identified customer behavior patterns, leading to a **20% improvement in pricing accuracy** and enhanced strategic decision-making for revenue optimization.
- Designed and implemented a data analytics framework using **ETL pipelines** with **Hadoop** and **Spark**, restructuring data flow and improving processing efficiency across departments by automating regression analysis and data comparison processes with **Python**, **Postman API**, **TensorFlow**, and **Keras**, which **reduced manual intervention** by **40%** and significantly enhanced operational efficiency.
- Developed dynamic dashboards in **Tableau** and **Excel**, integrating **predictive analytics** and **data modeling** techniques with **NumPy** to improve forecast accuracy by 25%. Streamlined reporting processes, reducing the **planning cycle time by 20%**, and contributed to \$80K in revenue growth by delivering **real-time insights** to senior leadership.

RWTH International Academy

India

Data Analyst Intern - Research and Predictive Analytics

Sep 2022-Dec 2022

- Analyzed sensor and telematics data** from logistics trucks using Python, SQL, and Scikit-learn for **data extraction** and processing, applying **statistical testing** to identify trends and outliers, which improved **predictive analytics** and reduced delivery time variance by 15%.
- Built **predictive time series models** using techniques (**NAIVE** and **SNAIVE**), optimizing delivery routes by factoring in traffic patterns, fuel efficiency, and driver relaxation schedules. Utilized **TensorFlow** to refine **route selection**, leading to more efficient logistics operations and a 10% improvement in delivery reliability.
- Automated** and developed custom **real-time dashboards** in **Tableau**, integrating key **metrics** like fuel consumption, traffic congestion, and driver compliance, which provided leadership with actionable **insights** and resulted in a **20% improvement** in fleet management and overall supply chain efficiency.

Volkswagen Group Technology Solutions (VW Group)

India

Data Automation & Process Optimization Analyst (RPA Team)

Apr 2022-Oct 2022

- Developed and implemented **automation packages** using **Python** and **Java** to automate the extraction of critical data from foreign-language invoices, leveraging **Azure Form Cognitive Services** for **OCR** and Automation Anywhere 360 (**AA360**), increasing data accuracy and operational efficiency by 30%, which helped **scale operations** across multiple regions and improve overall business performance.
- Designed **reusable components** and standardized business logic fields within the **AA360 platform**, leveraging the **Gradle** development environment to streamline integration and deployment across teams, which reduced development time by 20%, improved **team collaboration**, and supported faster rollout of new business solutions to meet client needs.
- Led the development of automated reporting systems by collaborating with cross-functional teams, utilizing SQL, Automation Anywhere, and Python to streamline report generation and enhance data processing, **enabling leadership to make data-driven decisions**.

PROJECTS

NLP-Based Structured Data Insights Platform

June 2023

- Developed and deployed an **NLP-powered data platform** using Python, GPT-3.5, and Streamlit to automate the extraction and structuring of critical business data from unstructured text sources, reducing analysis time by 50%. **Utilized visualization libraries** such as Matplotlib and Seaborn to plot decision trees and logistic regression graphs, creating interactive dashboards with Streamlit and Tableau, **enabling leadership to gain real-time insights** for faster strategic actions.

LEADERSHIP EXPERIENCE

- Vegapod Hyperloop - Led a team of 10 engineers in undergrad to design and implement avionics systems for the Hyperloop pod, focusing on safety-critical systems and redundancy protocols. Leveraged Agile project management to ensure timely delivery of subsystems, increasing overall team productivity by 25%.
- Association of Indian Students (AIS) at USC: Negotiated sponsorship deals valued at \$15,000+ for key university events by identifying mutually beneficial partnership opportunities, revamping visibility and reputation of organization among local businesses