

SWETHA MOHAN

Seattle, WA | ssmohan@uw.edu | (213)-317-5004 | [Swetha Mohan](#) | [LinkedIn](#)

I'm passionate about leveraging the power of data to drive business decisions. I have a proven track record and a strong foundational background in statistics and actuarial science. I thrive in a fast-paced work environment where emphasis for quality goes hand in hand with delivery. I'm a specialist at working collaboratively with diverse teams and dealing with ambiguity.

RELEVANT SKILLS

- Programming Languages: Python, R Language
- Data Query Languages: SQL, Excel
- Visualization tools: Tableau, Power BI
- Other tools: MS Office 365 suite, Oracle Crystal ball
- Coursework: Spreadsheet modeling, Data management, Operations Research, Competitive Strategy, Customer Analytics, Digital Marketing, Machine Learning Methods and AI, Pricing Analytics, Operations and Supply Chain Management.
- Certifications: SQL: Data Reporting and Analysis, UW Foster Excel Credential, UW Foster R for Business

DATA PROJECTS

Impact of Factors on Airbnb prices: Examined data from Airbnb listings in Asheville. Gathered insights on the impact of being a superhost on price and reviews, trend of review sentiment by zip codes over the years and identified geographical location with the greatest number of listings and reviews in this project.

Mock Product Re-launch of E-Scooter: Pitched a business model using porter's five forces to turn around a failed electric scooter company that made \$104k in its lifetime to an estimated \$15 million/year in profits.

Stock price Volatility Forecast: Created an ensemble model to forecast the stock prices using existing time series models and giving weights to each model based on its accuracy. The new model had an improved accuracy of 18% when compared to the participating models.

EDUCATION

University of Washington – Michael G. Foster School of Business

Master of Science in Business Analytics 3.75 GPA

Seattle, WA

In Progress

University of Madras

Master of Science in Actuarial Science 3.75 GPA

Chennai, India

April, 2020

SDNB Vaishnav College for Women

Bachelor of Science in Statistics 3.82 GPA

Chennai, India

April, 2016

WORK EXPERIENCE

University of Washington

Administrative Assistant

Seattle, Washington

June, 2022 - Current

- Managed budget worth \$3M for the linguistics department and automated the querying process by creating a Python based tool.
- Reviewed 20 budgets with 3.5K line items for each budget by writing 5+ SQL queries that pulled the cumulative expenses of 18 linguistics professors.

Code Ninjas

Coding institute for children

Seattle, Washington

Center Director

November 2021 – May 2022

- Improved the marketing strategy and customer experience by identifying target demographic of kids interested in gaming and creating sibling's referral program to increase the revenue by \$200K a year.
- Collaborated with the stakeholders and provided strategic guidance for program promotion campaigns that helped enroll over 100 students.

Accenture

Mortgage Underwriter

Chennai, India

June 2020 - January 2021

- Analyzed data points from various data sources such as borrower's credit history, appraisal, income and employment, debt to income ratio down payment & savings account for a US based Mortgage company. Documented and effectively communicated the reasons for approval/rejection of 300+ mortgage loans according to lender's risk and compliance policies.
- Extensively used loan origination systems and automation tools in making critical decisions for 300 loans almost worth \$300K each.

Springs India

Manufacturer of automobile spring parts

Chennai, India

Operations Coordinator

September 2017 – August 2018

- Analyzed business performance by identifying key metrics to define benchmark for product quality that helped reduce time in production rework by 8%.
- Ensured that the manufacturing of over 30+ spring parts met delivery deadlines by creating GANTT charts (timeline chart) that more than 30 project participants could follow.
- Reduced supplier cost by 3%, slashed transportation cost by 4% and changed the supplier raw material(steel) to minimize the expense on an average by 8.3% per spring.