

# CHINMAYA SUKUMAR

## DATA ANALYST

### Summary

I am a Data Analyst specializing in integrating the field of engineering into the world of Data Science. I have experience in wrangling, processing and visualizing data and training and evaluating AI/ML models on said data. My background experience is in steel and plastics industries. I am adept in Python, SQL, pandas, matplotlib, scikit-learn, keras and Tableau.

### Employment

**Suchint Business Solutions** Mississauga, ON  
Technical Analyst Jan. 2019 to Current

Involved in discovering applications for various plastics including silanes, flame retardants, and UV stabilizers

**ArcelorMittal Dofasco** Hamilton, ON  
Co-op Lab Technician May 2016 to May 2017

Responsible for customer qualification of automotive grade steel for an OEM manufacturer

Worked in a cross-functional New Product Development team

### Projects

**Springboard Capstone Project** Oct. 2022

In an effort to aid engineers in the design process of a grade of steel, a model was successfully built that accurately predicted the strength of a grade of steel given solely its chemistry. The data was processed and visualized then trained on a Gradient Boosting Regressor. Accuracies were 98% when cross-validating.

**Springboard Guided Project**

In a hypothetical scenario, using data from over 300 US ski resorts, a Random Forest Regressor model was trained and successfully predicted what additions to the amenities of a specific ski-resort would result in the greatest increase in revenue. Data was wrangled, EDA and PCA were performed before initiating the modelling process

**Engineering Capstone Project** 2015 to 2016

Worked on an industry-led project to determine the ideal steel chemistry to prevent hydrogen-induced cracking of steel. Was technical lead in a 5 person dynamic team

### Contact

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### Education

**McMaster University** 2011 to 2018  
B. Eng Masters Engineering 2018

**Springboard** May 2022 to Dec. 2022

Certificate Data Science Career Track 2022

6-month intensive course in data science, machine learning, Python and SQL 500+ hours of hands-on course material, with 1:1 industry expert mentor oversight, and completion of 2 in-depth portfolio projects. Mastered skills in Python, SQL, data wrangling, data visualization, hypothesis testing, and machine learning.

### Skills

#### DATA SCIENCE

Python  
SQL  
Tableau  
pandas  
NumPy  
Scikit-learn  
keras  
git  
matplotlib

