

# Barinder Thind

## Staff Data Scientist



### Work Experience

#### Staff Data Scientist | Later | Jan 2026 – Present

- > Own ML systems end-to-end; spans pre-processing, modeling, deployment, and production scaling
- > Lead deployment architecture (**CircleCI**, **ArgoCD**, **Helm**), defining standards for testing, monitoring, and reliability
- > **Hire & mentor** co-ops and junior team members across ML development, general problem solving/critical thinking, and production practices
- > Guide and review all ML projects across domains (**CV**, **NLP**, **Regression**, **Optimization**, **A/B testing**, etc.)

#### Senior Data Scientist | Later | Aug 2023 – Dec 2025

- > Built influencer search via **fine-tuned BERT + GPT API**
- > Developed proprietary creator scoring system using **Generalized Additive Models (FLR, GAMs, etc.)**
- > Topic modelling via ensembling of **Latent Dirichlet Allocation** models
- > **Setup, aha, habit** framework implemented; reduced churn by 13%
- > Deployed models via **Docker**, python libraries, and **Sagemaker**

#### Data Scientist | Later | Aug 2021 – Jul 2023

- > Launched hashtag suggestions model with **10k+ daily invocations**
- > Productionized caption-based suggestions model (**YAKE + word2vec**)
- > Contributed during due diligence for **\$200M** acquisition
- > Company wide financial and customer forecasting (**ARIMA**, **Prophet**)

\* **Data Analyst** | Later | 2020 – 2021

### Projects & Publications

*In Machine* - [View Book](#)

- > Rigorous ML engulfed in philosophy
- > Slated for release in the latter half of 2027

*Deep Learning w/ Functional Inputs* - [View Publication](#)

- > A novel neural network architecture (Citations: 60+)
- > Published by Journal of Computational & Graphical Statistics (H-Index: 94)

*FuncNN* - [View R Package](#)

- > An R Package developed on top of the Tensorflow architecture
- > Released: September 2020; downloads: 12\_000+

*NLP Begin* - [View Website](#)

- > Meant as a public resource; this is an exhaustive primer on all classic + modern natural language processing (NLP) techniques

*AstroML* - [View Project](#)

- > A full-stack effort to create an ML based finance application

### Education

Simon Fraser University  
MSc. Statistics  
GPA: 94%; April 2020

Simon Fraser University  
BSc. Honours Statistics  
UGPA: 89%; April 2018

Amazon Web Services  
Machine Learning Specialty  
April 2022

### Skills

Scripting

R, Python, SQL, Ruby, HTML, CSS, JavaScript, MATLAB,  $\LaTeX$

Cloud

AWS (SageMaker, Lambda, S3, etc.), Google Cloud (Gemini, BQ, GCE), Git, dbt, Jupyter, Spark

Software/AI

LM Studio, Ollama, Claude Code, Linear, Asana, Notion, CircleCI, ArgoCD, HuggingFace

Frameworks

Tensorflow/Keras, Torch, Flask, React, Sinatra, Rails, Gensim, Dplyr, Docker, RShiny, Helm

### Awards/Achievements

Grandmaster (Support)  
Overwatch  
December 2025

Top Statistical Research Award  
Statistical Society of Canada  
May 2020

Graduate Researchship  
Dept. of Statistics @ SFU  
May 2020 | \$6500

Graduate Fellowship  
Dept. of Statistics @ SFU  
Jan 2020 | \$6500

Big Data Graduate Scholarship  
Dept. of Computer Science @ SFU  
Sep 2019 | \$6500