Yash Nagpaul

DATA SCIENTIST

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PROFILE

With over 2 years of professional experience writing production-quality code for scalable web applications, I have a strong foundation in programming, and am passionate about machine learning.

I am eager to leverage my existing skills and adaptability to break into machine learning engineering. Co-workers describe me as a curious and hardworking team-player.

SKILLS

MySQL, Tableau, Python, Data Visualization, Dashboards, Data Cleaning, Statistical Analysis, Predictive Modelling, NumPy, Pandas, Seaborn, Statsmodels, Plotly, Bash, Web Scraping, R, Tidyverse, Scikit-learn, Keras, Anaconda, NetworkX, Prompt Engineering, Machine Learning, Feature Engineering, Text Analysis (NLP), Image Processing, Model Evaluation, Recommender Systems, Big Data Analysis, AWS EMR, Hadoop, Spark, Apache Hive

EXPERIENCE

Software Engineer (Front-End) | Amazon

MAR 2022 - MAR 2023, VANCOUVER, BC

- Improved the application stability and **eliminated the need for manual testing** by implementing end-to-end smoke tests in the deployment workflow using Cypress and a custom test runner.
- Consolidated 3 separate code-bases into a unified platform, resulting in a **reduction in maintenance burden** and **increased efficiency** by reducing cross-team communication, **improving code quality**, and increasing deployment frequency.
- Collaborated with engineers to deprecate a high-impact asset distribution service, resulting in the successful migration of clients to a more modern and cost-efficient solution (AWS CloudFront), **freeing up resources** in our team and increasing reliability for our clients' services.

Junior Full Stack Developer | DropCommerce

MAY 2021 - MAR 2022, REMOTE

- Led the PayPal integration of our mission-critical application, giving our 10,000+ users a new way to pay for their orders.
- Improved user satisfaction for a key segment of our customers by contributing to a full-stack project — allowing our suppliers to appeal in-app reviews for their products — which received positive feedback by over 95% of our suppliers.

Software Developer in Test | DropCommerce

FEB 2021 - MAY 2021, VICTORIA, BC

- Started the use of TestCafe Studio to **record test scripts and automate sanity tests**, saving 8+ hours that would be typically spent on testing user actions while developing new features, each week.

EDUCATION

BrainStation | Diploma, Data Science

JUL 2023, VANCOUVER, BC

University of British Columbia | Bachelor's Degree

MAY 2020, VANCOUVER, BC

PROJECTS

Data Scientist | Predicting Hospital Disposition using ML

JUL 2023, BRAINSTATION (CAPSTONE PROJECT)

- Analyzed and cleaned a dataset of **over 500,000 rows**.
- Applied machine learning techniques to predict whether a patient needs to be admitted or discharged from the emergency room.