□+1 (416) 606-8534 | ■ aanshul22@gmail.com | • aanshul22 | • aanshul22 | Kaggle

Skills

Languages Python, Java, C, C++, Go, SQL, Bash, R, TypeScript, HTML, LaTeX

Technologies PyTorch, OpenCV, Django, Docker, BitBucket, MySQL, AWS: Lambda, API gateways, EC2, GCP

Education_

University of Toronto Toronto, Canada

COMPUTER SCIENCE SPECIALIST STATISTICS & MATHEMATICS MINOR · HONOURS BSC

Sep 2019 - May 2023

Focus in Artificial Intelligence and Computer Vision.

• GPA - 3.87 / 4.00 (Dean's List Scholar)

Neural Nets and Deep Learning

- Relevant courses:
 - Intro to Artificial Intelligence
- Intro to Databases
- Algorithm Design & Analysis
- Operating Systems

Data Analysis II

Work Experience_

Lorica Cybersecurity Toronto, ON

SOFTWARE ENGINEER

Jul. 2023 - Present

- Developing and managing the backend for the product.
- Create and proof design proposals
- Python, Typescript, C++, Django, Docker, AWS, GCP

Goldman Sachs Toronto, ON

SOFTWARE DEVELOPER INTERN

Jun. 2022 - Aug. 2022

- Researched API reverse proxies and service proxies that fit with current goals and service architecture.
- Created proof-of-concepts using different configuration types of Envoy proxy and created custom configuration types.
- Integrated Envoy into existing API management platform architecture using Java and Go.
- Created a config generator that converted OpenAPI specifications to Envoy configs and dynamically updated Envoy.
- Enabled easier API provisioning on Envoy by passing of a simple OpenAPI specification.

Department of Computer Science, UofT

Toronto, ON

RESEACH ASSISTANT May. 2022 - Aug. 2022

- Supervisor Prof. Sebastian Jaimungal
- Understood existing FDA and hyper-parameter tuned existing FPCA.
- Researched and Implemented DCC-GARCH models for covariance prediction and sample path simulation.
- Created data visualizations for estimating and understanding the authenticity of the simulated sample paths.

Department of Computer Science, UofT

Toronto, Canada

TEACHING ASSISTANT - CSC209 · CSC104

Jan - May 2021 & 2022

- Held weekly labs for 30 students in learning foundational concepts of C programming and Systems programming.
- Led a weekly tutorials for 40 students. Helped students created working demos in object-oriented programming using Python.
- Corrected student assignments, tests, and final exams. Held weekly office hours.

Netcore Cloud Mumbai, India (Remote)

SOFTWARE DEVELOPER INTERN

May. 2021 - Aug. 2021

- Implemented REST API for bank transaction, and fraud prevention app notifications. Used AWS Lambda, API gateways, and Go.
- Reported Performance Monitoring stats revealing expensive operations. Used Elastic APM and Kibana
- Wrote client and developer side API documentation enabling client-side IT to easily create http requests reducing developer on-boarding time.
- Built and deployed a Log-Parser to parse every new log file and report rogue clients. Blacklisted 400 clients a day

Projects.

Algorithmic Trader

PYTHON, BASH

May. 2021 - Present

- Devised an original strategy using popular indicators, hidden markov models, and brownian motion.
- Created an end-to-end autonomous system that fetches data, manages the database, evaluates strategies, and sends alerts to a discord server
- Setup a cron that parses the alerts and places orders using an online broker API.

ANSHUL AGRAWAL · RÉSUMÉ