Anshul **Agrawal**

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Skills

Languages Python, Java, C, SQL, Bash, R, Golang, HTML, CSS, LaTeX

Technologies AWS: Lambda, API gateways, DynamoDB; Git, Linux, Redis, FCM, Elastic APM, Kibanna, Flask

Education

University of Toronto
Toronto, Canada

COMPUTER SCIENCE SPECIALIST STATISTICS MINOR · BACHELOR OF SCIENCE HONOURS
Sep 2019 - May 2023

- Focus in Artificial Intelligence and Computer Vision.
- GPA - 3.87 / 4.00 (Dean's List Scholar)
- Selected for and successfully completed the LearnAI program offered by the UofT AI group.
- Relevant courses:
  - Intro to Artificial Intelligence
  - Neural Nets and Deep Learning
  - Intro to Databases
  - Algorithm Design & Analysis
  - Operating Systems
  - Data Analysis II

Work Experience

Netcore Cloud
Mumbai, India (Remote)

SOFTWARE DEVELOPER INTERN
May. 2021 - Aug. 2021

- Implemented a REST API for bank transaction, and fraud prevention app notifications.
  Developed API using AWS Lambda, API gateways, S3, DynamoDB and Golang.
- Reported Application Performance Monitoring statistics revealing unnecessary expensive operations.
  Used Elastic APM and Kibana
- Wrote client side and developer side API documentation enabling client-side IT to easily create and send http requests.
  Also reduced developer on-boarding time. Documented using Stoplight.
- Built and deployed a new Log-Parser and File-Tracker to parse every new log file and blacklist all rogue clients.
  Blacklisted 4000 rouge clients a day.

Department of Computer Science, UofT
Toronto, Canada (Remote)

TEACHING ASSISTANT
Jan. 2021 - May. 2021

- Led a tutorial of 30 students in learning foundational concepts of Computer Science including object-oriented programming with Python. Taught CSC104 - Computational Thinking.

Projects

Algorithmic Trader

PYTHON, BASH
May. 2021 - Present

- Downloads futures data and evaluates buy and sell signals using an original indicator and a combination of CCI, RSI, ATR, HMA, and MACD.
- Setup a script on the cloud that executes every trading at 4pm. Script sends alerts to a discord server using webhooks.
- Created discord bot that picks the alerts from the server and places orders using an online broker API.
- Portfolio value increased by **21% in last 2 months**.

Conference Ticketing Platform

JAVA, CSS
Sep. 2020 - Jan. 2021

- Led a team of 5 to create a program that allows people at a conference (eg. TED conference) to communicate with each other in specific ways.
- Created back-end and UI for booking seats as attendees, creating events as organizers, etc.
- Project demonstrates the SOLID principles, Clean Architecture, Design Patterns, UML diagrams, etc.

Kaggle AI Game Bots (Online competitions)

PYTHON
July 2020 - Sep 2020

- Created AI bots for games Connect4 and Halite 3 using reinforcement learning and deep learning.

Hobbies/Interests

- Quantitative Trading
- Hackathons
- Sports - Soccer and Badminton
- eSports - Dota 2, COD, CSGO
- Speed-cubing
- Student Developer Clubs