□+1 (416) 606-8534 | **a**anshul22@gmail.com | **a**anshul22 | **a**anshul22 Work Experience

Lorica Cybersecurity Toronto, ON

SOFTWARE ENGINEER | DJANGO, C++, AUTHO, STRIPE, TERRAFORM, HELM, AZURE, CELERY, RABBITMQ, NGINX

Jul. 2023 - May. 2025

- Developed and maintained a Django backend API integrating AuthO, Stripe, Azure, HubSpot, and MySQL to support user management, billing flows, and static/model asset delivery.
- Created scripts for infrastructure provisioning and deployment automation using Terraform, Helm, Vault, Azure CLI—significantly reducing developer overhead and slashing deployment times by 71%.
- Led the development of billing components including subscription plans, usage metering, invoicing, tax handling, and analytics—achieving 98% accuracy and real-time customer invoicing.
- Integrated proprietary encryption algorithms and workflows from internal R&D into backend services.
- Optimized API endpoints and pipelines through query tuning, caching, and gateway configuration—improving response times by 47%.
- Collaborated with cross-functional teams to gather requirements, and independently identified improvement areas, defined tasks, and delivered backend features end-to-end.

Goldman Sachs Toronto, ON

SOFTWARE DEVELOPER INTERN | PYTHON, JAVA, GO, NGINX, ENVOY

Jun. 2022 - Aug. 2022

- Used Java and Go to bring Envoy into the API management platform improving performance by 25%
- 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.
- Designed 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.

University of Toronto, Dept. of Computer Science

Toronto, ON

RESEACH ASSISTANT | PYTHON, PYTORCH

May. 2022 - Aug. 2022

- Supervisor Prof. Sebastian Jaimungal
- Optimized Functional Principal Component Analysis. via hyperparameter tuning.
- Implemented Dynamic Conditional Correlation GARCH models for covariance prediction and sample path simulation.
- Created data visualizations for estimating and understanding the authenticity of the simulated sample paths.

TEACHING ASSISTANT | Systems Programming · Intro to Computer Science

Jan - May 2021 & 2022

- Led a weekly lab for 30 students in learning foundational concepts of C programming and Systems programming.
- Led a weekly tutorial for 40 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 | PYTHON, RUST, AWS, KIBANA

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

Education_

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)
- Relevant courses:

University of Toronto

- Software Design
- Intro to Databases
- Operating Systems
- Neural Nets and Deep Learning Algorithm Design & Analysis
- Data Analysis I & II

$Skills_{-}$

Languages Python, Java, C, C++, SQL, Bash, R, TypeScript

Libraries/Frameworks Django, Celery, Redis, RabbitMQ, GraphQL, Nginx, PyTorch, OpenCV, NumPy

> Tools Git, Terraform, Helm, Docker, Kubernetes, Jenkins, Figma Services Stripe, AuthO, Vault, HubSpot, Twilio, AWS, Azure, MySQL

> > ANSHUL AGRAWAL · RÉSUMÉ