

GUNEET GILL

📞 604-615-3628

✉ gkg26@sfu.ca

🐙 github.com/GuneetGill

🌐 linkedin.com/in/guneet-gill

EDUCATION

Simon Fraser University

Bachelor of Science, Computing Science and Business Joint Major

Expected Completion: Dec 2026

Burnaby, BC

WORK EXPERIENCE

Workday

May 2025 - Present

Software Development Engineering Intern

Vancouver, BC

- Engineered scalable integrations between external data sources and internal frameworks via REST and SOAP APIs, handling XML/JSON data to ensure reliable, automated data exchange across platforms.
- Built a custom application using Java and SOAP web services to automate bulk accounting journal uploads, allowing journal line items to autopopulate in Workday and eliminating manual entry for accountants.
- Enhanced accounting workflows by developing new functionality in Workday's proprietary language and Java for depreciation convention software, enabling global adoption and expanding usage beyond North America.

Metalab

Jan 2025 - Apr 2025

Software Engineering Intern

Vancouver, BC

- Deployed and containerized AWS Lambda functions using AWS CDK, Terraform, and Docker, delivering scalable, reliable infrastructure that supports hundreds of automated workflows.
- Developed backend Python code within AWS Lambda to implement new features and business logic for automated workflows.
- Implemented efficient large-PDF rendering on the frontend using Next and TypeScript, enhancing performance, usability, and overall user experience.

PERSONAL PROJECTS

Rate My Professor API/Chrome Extension

Mar 2025 – Aug 2025

Python, JavaScript, AWS (Lambda, ECR, RDS, API Gateway, CDK, VPC), Docker, Selenium, PostgreSQL, Git

- Scraped and stored professor rating data from RateMyProfessors into an AWS RDS PostgreSQL database, enabling structured and queryable access to academic feedback.
- Built and deployed a serverless API with AWS API Gateway, Lambda (Dockerized via AWS ECR), and a private VPC, provisioned using AWS CDK for fully automated, scalable infrastructure.
- Built a JavaScript-based Chrome extension that integrates with the SFU course selection site, providing students real-time professor ratings retrieved through the backend API.

EcoGPT — Winner @ MLH League CMD-F 2025 Hackathon

Mar 2025

Python, JavaScript, GraphQL, Natural Language Processing (NLP), Machine Learning, Cloud Hosting, Git

- Designed and deployed a Chrome extension with a cloud-hosted backend using Flask and GraphQL on Render that classifies ChatGPT prompts in real time and suggests sustainable alternatives for simple queries.
- Integrated an interactive analytics dashboard into the ChatGPT interface using JavaScript for visualizing user query volume and estimated carbon footprint to raise awareness of AI's environmental impact.
- Built a machine learning classifier in Python using TF-IDF vectorization tested multiple models (Logistic Regression, Naïve Bayes, Random Forest, SVM), and selected the best-performing model to accurately classify user prompts

Memory Haven

Sep 2024 - Nov 2024

Java, MPAndroidChart, Android Studio, Firebase, Git

- Developed a secure patient and caregiver login system with Firebase Authentication, enabling role-based access for dementia patients and their support network.
- Implemented a photo and audio upload interface using Firebase Realtime Database and Firebase Storage to securely store content contributions from family and friends.
- Created an interactive response rating system with MPAndroidChart to track memory retention trends, and provide caregivers with data-driven insights.

SKILLS

Languages: Python, C, C++, Java, Kotlin, Rust, HTML, CSS, JavaScript, TypeScript, SQL

Frameworks/Libraries: Flask, MongoDB, pandas, NumPy, React, Next, GraphQL, Firebase, AWS

Tools: GitHub, Git, Postman, Jupyter Notebook, Visual Studio Code, Android Studio, Docker