MAITRA PATEL
Software Engineer

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GITHUB
https://github.com/MaiTra10

EDUCATION

Bachelor of Science in Software Engineering, University of Calgary   Calgary, AB
Sep 2021 — May 2026

TECHNICAL SKILLS

Languages: Python, Go, Java, JavaScript | HTML | CSS, SQL, Bash, YAML
Frameworks and Tools: Docker, Django, Django REST Framework, AWS, Github, GitLab, Terraform, Ansible
Databases: PostgreSQL, MySQL, DynamoDB
Knowledge: Linux, OOP, REST API Development, Network Protocols, Unit Testing, CI/CD, Agile

EXPERIENCE

DevOps Engineering Intern @ General Dynamics   Remote | Calgary, AB
Current | Jan 2024 — Aug 2024

- Collaborated with interns to fix **Ansible** linting errors in the **GitLab** codebase which resulted in green pipeline deployments
- Created **merge requests** to get feedback from senior engineers and responded appropriately to suggested changes
- Currently working on **automating manual build-books** for HQ server setups via **Ansible** which will save tens of hours in the long run
- Participating in daily meetings with experienced engineers in a **SAFe (Scaled Agile Framework for enterprise)** workflow

SumoBot Team Member, Alberta Collegiate Robotics   Calgary, AB
Jan 2022 — May 2023

- Displayed **teamwork** in a **group of four members** as well as **independence** on delegated work
- Utilized the **Arduino IDE** to program an onboard **Arduino**
- Worked with **3D CAD software** such as **Fusion 360** and **OnShape** to design the chassis of the robot

PROJECTS

prjctVes | Personal Project | https://github.com/MaiTra10/prjctVes
An integration of CS:GO item and stock price data querying in Discord

- Deployed the functionality as a private **REST API** on **AWS API Gateway** with endpoints linked to **Lambda Functions,** and used **DynamoDB** to store user watchlists
- Hosted the program by running a **linux/arm64** docker image on a **Raspberry Pi 4** with **Debian** based **Linux**
- Made use of the **Yahoo Finance API** to retrieve stock data and the **Steam API** for CS:GO item data
- Utilized **matplotlib** to generate graphs and **BeautifulSoup4** to scrape data which was otherwise not available through the API
- Reduced personal cellular data usage for every price check by **93%**

prjctNotes | Personal Project **|** prjctnotes.com
A full-stack web application with an AWS backend

- Created a **log-in**, **sign-up** and **forgot-password** system via **Lambda Function URLs**
- Implemented a method to save notes on either **local storage** or on a **DynamoDB** table for logged-in users
- Used the **smtplib Python module** to send users an e-mail in the case they forgot their password, and stored the admin e-mail password as a **secure string** on **AWS Parameter Store**
- Built the front-end of the application from scratch using **HTML**, **CSS** and **JavaScript**

EggLoL | Partner Project | https://github.com/alia720/EggLoL
A Discord bot that displays League of Legends champion details and saves user profiles

- Collaborated closely with a partner where we effectively divided tasks and **resolved occasional merge conflicts** on **Github**
- Hosted a **PostgreSQL** server on a **Raspberry Pi 4** and enabled **TCP/IP** connections which allowed my partner to connect to the database remotely

Portfolio
A portfolio with a backend twist to a predominantly frontend focused application

- Created the application using **Django** and using **HTML, CSS** and **Javascript** for the **view**
- Utilized the **Django REST Framework (DRF)** to program an **API** to retrieve the content
- Built **data models** for each section which are accessed via a **REST API**

PROFESSIONAL DEVELOPMENT

Engineering Leadership Program   University of Calgary
Sep 2022 — Current

- Developing important **communication** and **leadership** skills through collaborative workshops