

# MAITRA PATEL

Software Engineer

## PORTFOLIO

[maitra-patel.com](mailto:maitra-patel.com)

## EMAIL

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## LINKEDIN

[www.linkedin.com/in/maitra-patel](https://www.linkedin.com/in/maitra-patel)

## 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, SQL, Java, JavaScript | HTML | CSS, Bash, YAML, Powershell, XML

**Frameworks and Tools:** Django, AWS, Docker, Github, GitLab, Artifactory, Terraform, Ansible

**Databases:** PostgreSQL, MySQL, DynamoDB

**Knowledge:** Ubuntu, RHEL, Debian, OOP, REST API Development, Network Protocols, Unit Testing, CI/CD, Agile

## EXPERIENCE

### DevOps Engineering Intern @ General Dynamics

Hybrid | Calgary, AB

Current | Jan 2024 — Dec 2024

- Developed custom **Powershell scripts** for **Ansible** to automate server deployment processes, significantly reducing manual effort
- Wrote and maintained **Ansible playbooks** within a vast **GitLab** codebase, integrated with **CI/CD pipelines** to streamline processes
- Conducted thorough **reviews of build books and documentation**, resolving discrepancies, inconsistencies and inaccuracies
- Collaborated with other teams to address issues and anomalies among build books to ensure system reliability and standardization
- Actively participated in **Agile Scrum** ceremonies, **driving sprint planning** and contributing to strategic decisions for future work

### SumoBot Team Member, Alberta Collegiate Robotics

Calgary, AB

Jan 2022 — May 2023

- Programmed an onboard **Arduino** to autonomously control movement, detect arena edges, and operate a lifting ramp
- Demonstrated strong **teamwork** within a group of four while independently managing delegated tasks to ensure project success
- Designed the robot chassis using 3D CAD software, including both **Fusion 360** and **OnShape**, to create precise and robust models

## PROJECTS

### prjctVes | Personal Project | <https://github.com/MaiTra10/prjctVes>

An integration of CS:GO item and stock price data querying in Discord

- Deployed a **private REST API** on **AWS API Gateway**, integrating **Lambda functions** and **DynamoDB** to manage user watchlists
- Hosted the application on a **Raspberry Pi 4**, running a **Linux/arm64 Docker image** with a **Debian-based OS**
- Leveraged **Yahoo Finance** and **Steam APIs** to retrieve stock and CS:GO item data, while using **BeautifulSoup4** for web scraping and **matplotlib** for data visualization
- Optimized price-checking operations, reducing personal cellular data usage by **93%**.

### prjctNotes | Personal Project | [prjctnotes.com](https://prjctnotes.com)

A full-stack web application with an AWS backend

- Developed a **log-in, sign-up, and password recovery system** using **Lambda Function URLs** and **smtplib** for email notifications, securely managing credentials with **AWS Parameter Store**
- Implemented functionality for saving notes on **local storage** or **DynamoDB**, depending on user login status
- Designed and built the front-end from scratch using **HTML, CSS, and JavaScript**

### Portfolio | [maitra-patel.com](https://maitra-patel.com)

A portfolio with a backend twist to a commonly frontend focused application

- Developed the website using **Django**, utilizing **HTML, CSS, and JavaScript** for a thematic user interface, all hosted on **Vercel**
- Leveraged the **Django REST Framework (DRF)** to create an **API** for retrieving content from a **PostgreSQL** database hosted on **Railway**
- Designed **data models** for each section of the portfolio, ensuring seamless access via the **REST API**

### EggLoL | Partner Project | <https://github.com/alia720/EggLoL>

A Discord bot that displays League of Legends champion details and saves user profiles

- Retrieved data via **web-scraping** with **BeautifulSoup4** which was then displayed on Discord through the **discord.py** module
- Collaborated closely with a partner, dividing tasks efficiently and **resolving GitHub merge conflicts**
- Locally hosted a **PostgreSQL** server on a **Raspberry Pi 4** and enabled **TCP/IP** connections to allow remote access

## PROFESSIONAL DEVELOPMENT

### Engineering Leadership Program

University of Calgary

Sep 2022 — May 2024

- Developed key **communication** and **leadership skills** through collaborative workshops with engineering peers