

MAITRA PATEL

Backend and Cloud Developer

DETAILS

PHONE

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EMAIL

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LINKEDIN

www.linkedin.com/in/maitra-patel

GITHUB

<https://github.com/MaiTra10>

TECH STACK

Python | Django, DRF

JavaScript | HTML | CSS

AWS

- Lambda
- DynamoDB
- API Gateway
- RDS
- Parameter Store
- IAM Roles, Policies, Attach
- Polly

Terraform

PostgreSQL

Docker

Github | Git

SKILLS

APIs and REST APIs

- development through **Django REST Framework** and **AWS API Gateway**
- proficient in communicating between systems via **APIs**
- knowledge of **HTTP** request methods and responses

Unit Testing

- experience with creating and conducting **unit tests** to verify code integrity and functionality

Linux

- capable of deploying several **docker containers**, some relying on others, to a **Debian Linux** based system

Communication

- understand the importance of proper communication in group/partner settings

EDUCATION

BSc in Software Engineering, University of Calgary

Calgary, AB

Sep 2021 – May 2025

GPA | 3.15

PROJECTS

prjctVes | Personal Project

A Discord bot to keep track of stocks and CS:GO items in a watchlist

- Created a Discord bot using **discord.py** for **asynchronous** command handling and data responses
- Stock data was fetched using the **Yahoo Finance API** and CS:GO item data was fetched using the **Steam API**
- The commands utilized **matplotlib** and **BeautifulSoup4** to generate graphs and scrape data which was otherwise not available through the API
- 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 by making a **linux/arm64 docker image** then ran on a **Raspberry Pi 4** using **Debian**

prjctNotes | Personal Project | prjctnotes.com

A full-stack web application to take notes with log-in and sign-up functionality

- Built the front-end of the application from scratch with **HTML, CSS** and **JavaScript**
- Created a **log-in, sign-up** and **forgot-password** system via **Lambda Function URLs**
- Implemented a way 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 **Parameter Store**

EggLoL | Partner Project

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

- Collaborated closely with a partner where we effectively divided tasks and **resolved occasional merge conflicts** on **Github**
- Implemented **CRUD** operations on a **PostgreSQL** database with **related tables** for user profiles which stored their data delivery preference and their in-game profile data

Portfolio | Currently Working On

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

- Creating the application using **Django** and using **HTML, CSS** and **Javascript** for the **view**
- Utilizing the **Django REST Framework (DRF)** to program an **API** to retrieve the content
- Building data **models** for 'projects', 'about me' and 'resume' sections which are accessed via a **CRUD API**

EXPERIENCE

SumoBot Team Member, Alberta Collegiate Robotics

Calgary, AB

Jan 2022 – May 2023

- Displayed teamwork in a **group of four members** plus **independence** on delegated work
- Utilized the **Arduino IDE** to program an onboard **Arduino**
- Designed the chassis of the robot using **Fusion 360** and **OnShape**

PROFESSIONAL DEVELOPMENT

Engineering Leadership Program

University of Calgary

Sep 2022 – Current

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