PRAKHAR GURUNANI

📞 +91 9714713453   ✉ prakhargurunani@gmail.com   ⌗ GitHub: FirePing32   🔗 prakhargurunani.com

I care a lot about Open Source Software, writing simple and beautiful code, architecture design and documentation.

Education

Birla Institute of Technology and Science, Pilani   **2021 − 2025**
Bachelor of Engineering in Civil Engineering   *Pilani, Rajasthan, India*

Experience

Software Engineer Intern   **January 2023 − April 2023**
Flippy   *Bangalore, India*
- Built a robust data engine pipeline to get data from various vendors and store it in AWS DynamoDB
- Created a real-time lambda service to provide near real-time data
- Setup ECS for deploying containers within various clusters and used AWS Elastic load balancer to distribute traffic within the clusters
- Built scalable backend systems using FastAPI and Django
- Created Ci/CD pipelines to build and deploy code to test and production clusters
- Setup a robust caching system across all services using AWS ElastiCache and Redis
- Built an API service to provide data-as-a-service to various third-parties

Google Summer of Code 2022   **May 2022 − September 2022**
52°North - Python client for OGC Maps API
- OGC Maps API provides crucial information for analysing maps and map data. The geospatial data is currently fetched using REST APIs, and each time the parameters have to be passed manually. A better way to handle this would be to dynamically pass the parameters.
- The idea is to create a Python client that will enable devs to GET/POST data by using the python wrapper in their code. Requests to the API can also be made through a CLI tool developed specifically for the API.
- The main goal is to integrate the Maps API into a single client that is extensible in the future to add other endpoints.

2020 China US Young Maker Competition   **March 2020 − June 2020**
Smart Hand Glove - Most Practical US Based Project   *Hackster.io*
- Made a smart hand glove to help the hearing and speech impaired children learn and communicate normally by means of sign-language.
- converts hand gestures to electrical signals which can be sent to a micro-controller that converts the signals into alphabets or commands.
- Accelerometer sensor supports the micro-controller to sense the gestures. The micro-controller maps these analog current signals and accelerometer values to codes corresponding to each gesture.
- Codes mapped by the micro-controller are processed by the receiver so that the laptop can show the detected text on the screen. It can also convert the speech to text which can be played by a speaker.

Projects

G-Meet Auto Join | *Chrome Extension*
- A Chrome extension to automatically join Google Meet meetings
- Automatically saves meeting information for recurring meetings
- Automatically leaves the meeting after the user specified duration

PyPSI | *CLI Tool*
- Python wrapper for Google PageSpeed Insights API
- Generates metrics for the performance of a web page on multiple devices
- Created a CLI tool to access it from the command line
- Made an API for the same for use in Python scripts

Go-Carbon | *REST API*
- An unofficial REST API for the Carbon project written in Go
- 3X Performance speed as compared to the existing image engine
- Uses Gist ID to import source code from GitHub
- Image parameters can be passed as query strings to the API

Skills

Languages: Python, JavaScript, Go, TypeScript
Platforms: Google Could, AWS, Docker, Unix, Android
Frameworks: React, React Native, Fiber, FastAPI, Node.js, Flask, Django, Nginx