PRAKHAR GURUNANI

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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

- Created a Python Wrapper for accessing various data points offered by OGC Maps API
- Features include custom flags, automatic parameter validation, and automatic handling of blob data
- Created a context aware terminal client to access the wrapper functions from the CLI with support for command completion
- Docs are generated using Sphinx, which compiles all the function docstrings in a specified format
- Automated tests and git hooks are setup to check code quality

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, Kubernetes, Docker, Terraform, Unix, Android
Frameworks: React, React Native, Fiber, FastAPI, Node.js, Flask, Django, Nginx
Databases: MySQL, Postgres, MongoDB, Redis, Kafka