Akshit Rameshkumar Desai

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EDUCATION

Concordia University
Master of Applied Computer Science
Montreal, Canada
Sep. 2022 – Present
- **CGPA**: 3.87/4.30

Gujarat Technological University
Bachelor of Engineering in Information & Technology
Ahmedabad, India
Aug. 2017 – May 2021
- **CGPA**: 9.38/10.00

SKILLS

Languages & Frameworks : C, C++, Golang(Gin, echo), Python(Django, Flask)
Databases : SQL(MySQL, PostgreSQL), NoSQL(Mongo, Redis, Cassandra)
DevOps : Docker, Kubernetes, Harness, Spinnaker, Github Actions, AWS
Other Tools : Git, Postman, Selenium, Kubeflow, keycloak

EXPERIENCE

Kamivision
Montreal, Canada(Remote)
Software Engineer (Part-time) — Sep. 2022 - Present
Software Engineer (Contract via - Velotio) — Apr. 2022 – Aug. 2022
- Developing and optimizing different APIs, fixing bugs for core back-end services developed in Golang.
- Implemented CLI tool for AI team to get videos from kinesis video streams for analyzing and training AI models which automated **2 days of manual efforts**. Optimized it further with go routines and **reduced time taken by the script.**
- Contributed to AI team for helping them set up **kubeflow with Custom RBAC** on the local server.
- **Introduced Unit-testing and CI pipeline** in three Back-end services developed in Golang. Conducted sessions on Unit-testing and mocking services, interfaces & DB calls.

ZopSmart
Bangalore, India
Software Engineer (Intern+FT) — Feb. 2021 – Apr. 2022
- Worked on **ETL pipelines** written in Golang to migrate, sync and merge users' data of **Kroger, US** and it's subsidiaries; handling traffic of around **9 million** users daily.
- Introduced & worked on **locking mechanism, Fix Scripts, DB retry features** which **resolved data discrepancy** errors; Automated Bulk data migration process using **shell scripts** which used to take **8 hours of manual efforts.**
- Implemented **concurrent workers using go channels and wait groups** and **speed up data processing by 80%.**
- **Maintained and setup deployment pipelines on harness from scratch**; Stimulated monitoring process by adding Grafana and Dynatrace tools for data visualization.

PROJECTS

Codepod - (In progress) | Golang, PostgreSQL, React.js
- A podcast player web app for all the coding and technology-related podcasts with advanced functionalities.
- **Scraping podcasts using RSS feeds using go routines.**
- **Podcast recommendation system** that uses **NLP** for **Named-entity recognition** to tag and make any podcast follow-able by entities.

AMS Using Face Recognition | Python(OpenCV, Django), RaspberryPI ⬤
- Smart attendance management system(AMS) that **recognizes the face and marks the attendance.**
- Achieved **89% accuracy** for recognizing face **by researching different hardware configuration & Open CV algorithms.**
- **This project got shortlisted for the Regional round of Smart Gujarat Hackathon-2020.**

Contest Reminder | Python(Django), MySQL, Cron-jobs ⬤
- An **Email subscription service** that reminds competitive programming contests hosted on different platforms such as **Codechef, Hacker-earth, HackerRank** etc.
- Fetching contest data using **selenium** from these platforms using cron-jobs.
- **Open-sourced & Mentored this project as a part of Kharagpur Winter of Code(KWoS-Organized by IIT-Kharagpur)**

ChuckMate | Python(Django) ⬤ 🔗
- **A Web-app that feeds new joke** on every click, allowing users to change the name of the main character with their dear ones and allow them to share with them.

ACHIEVEMENTS

Competitive Programming
- **ACM ICPC - Honourable Mention** : Secured **477th (top 10%)** rank in online round and 79th in Kanpur region round of ICPC Asia Kanpur Regionals. 🔗
- **TCS Codevita Season-8** : Ranked **439 (top 1%)** in Round-1 of TCS Codevita coding challenge.
- Ratings : **Codechef**(1868 - 4 Star) , **Codeforces**(specialist-1484) , **HackerEarth**(1524)

Hackathons
- **Smart India Hackathon (2020)**: **1st Runner up** in Hardware Edition honored by Government of Uttarakhand; Worked as Backend Developer(Developed & Deployed Rest APIs using Flask) in the team of 6.
- **Smart Gujarat Hackathon (2019-20)**: Attendance management system using face recognition project got shortlisted for regional round of SGH. 🔗