

Akshit Rameshkumar Desai

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EDUCATION

Concordia University <i>Master of Applied Computer Science, (CGPA: 3.88/4.30)</i>	Montreal, QC, Canada Sep. 2022 – Apr. 2024
Gujarat Technological University <i>Bachelor of Engineering in Information & Technology, (CGPA: 9.38/10.00)</i>	Ahmedabad, India Aug. 2017 – May 2021

SKILLS











Languages : C, C++, Java, Go, Python, JavaScript, Typescript
Databases : MySQL, PostgreSQL, Mongo, Redis, Cassandra, DynamoDB, YugabyteDB
DevOps : Docker, Kubernetes, Kubeflow, Harness, Spinnaker, GitHub Actions, AWS, GCP
Other Tools : Git, Postman, Selenium, keycloak

EXPERIENCE


Amazon <i>Software Development Engineer Intern</i>	Vancouver, BC, Canada May 2023 – Aug. 2023
<ul style="list-style-type: none">Actively participated in daily stand-up meetings, providing updates on project progress and discussing challenges and potential solutions. Collaborated with senior developers to gather requirements and contribute to the design process.Utilized Amazon’s internal frameworks and AWS CDK(Typescript) to implement data pipeline and configure service API using Scala. Prepared technical & API documentation, and system architecture diagrams.Successfully completed assigned project ahead of schedule with positive feedback and started contributing to new feature development within the team.	
Kamivision <i>Software Engineer (Contract)</i>	Remote (India & Canada) Apr. 2022 – May 2023
<ul style="list-style-type: none">Developed and optimized different APIs, fixed 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 <i>Software Engineer (Intern+FT)</i>	Bangalore, India Feb. 2021 – Apr. 2022
<ul style="list-style-type: none">Worked on ETL pipelines written in Golang to migrate, sync and merge users’ data of Kroger, US and its 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

Online graph coloring Javascript, React.js, C++   	<ul style="list-style-type: none">Online graph coloring visualizer, solved by CBIP and first fit Algorithm.
Kubeflow-GNN Python(PyTorch), Golang, , Kubeflow, GCP  	<ul style="list-style-type: none">Trained a GNN model to perform link property prediction in a citation network using SAGEConv.Implemented PyTorch operator to perform distributed training of the model using DDP (DistributedDataParallel), PyTorchJob, and deployed it to Kubeflow on GCP using Golang CDK.
AMS Using Face Recognition Python(OpenCV, Django), RaspberryPI  	<ul style="list-style-type: none">Smart attendance management system(AMS) that recognizes the face and marks the attendance.Achieved 89% accuracy for recognizing face by researching different hardware configurations & OpenCV algorithms.
Contest Reminder Python(Django), MySQL, Cron-jobs 	<ul style="list-style-type: none">An Email subscription service that reminds competitive programming contests hosted on platforms such as Codechef, Hacker-earth, HackerRank, etc.
ChuckMate Python(Django)  	<ul style="list-style-type: none">A Web app that feeds new jokes 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
<ul style="list-style-type: none">ACM ICPC - Honourable Mention : Secured 477th (top 10%) rank in online round and 79th in Kanpur region round of ICPC Asia Kanpur Regionals. Codechef(1868 - 4 Star) , Codeforces(specialist-1484) , HackerEarth(1524).
Hackathons
<ul style="list-style-type: none">Smart Gujarat Hackathon (2019-20): Attendance management system using face recognition project got shortlisted for regional round of SGH. 