

# Akshit Rameshkumar Desai

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## EDUCATION

<b>Concordia University</b> <i>Master of Applied Computer Science</i>	Montreal, Canada Sep. 2022 – Present
<b>Gujarat Technological University</b> <i>Bachelor of Engineering in Information &amp; Technology</i> <ul style="list-style-type: none"><li>CGPA: 9.38/10.00</li></ul>	Ahmedabad, India Aug. 2017 – May 2021

## 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

<b>Kamivision</b> <i>Software Engineer (Part-time)</i> <i>Software Engineer (Contract via - <u>Velotio</u>)</i>	Montreal, Canada(Remote) Sep. 2022 - Present Apr. 2022 – Aug. 2022
<ul style="list-style-type: none"><li>Developing and optimizing different APIs, fixing bugs for core back-end services developed in Golang.</li><li>Implemented CLI tool for AI team to get videos from kinesis video streams for analyzing and training AI models which automated <b>2 days of manual efforts</b>. Optimized it further with go routines and <b>reduced time taken by the script</b>.</li><li>Contributed to AI team for helping them set up <b>kubeflow with Custom RBAC</b> on the local server.</li><li><b>Introduced Unit-testing and CI pipeline</b> in three Back-end services developed in Golang. Conducted sessions on Unit-testing and mocking services, interfaces &amp; DB calls.</li></ul>	

<b>ZopSmart</b> <i>Software Engineer (Intern+FT)</i>	Bangalore, India Feb. 2021 – Apr. 2022
<ul style="list-style-type: none"><li>Worked on <b>ETL pipelines</b> written in Golang to migrate, sync and merge users' data of <b>Kroger, US</b> and it's subsidiaries; handling traffic of around <b>9 million</b> users daily.</li><li>Introduced &amp; worked on <b>locking mechanism, Fix Scripts, DB retry features</b> which <b>resolved data discrepancy</b> errors; Automated Bulk data migration process using <b>shell scripts</b> which used to take <b>8 hours of manual efforts</b>.</li><li>Implemented <b>concurrent workers using go channels and wait groups</b> and <b>speed up data processing by 80%</b>.</li><li><b>Maintained and setup deployment pipelines on harness from scratch</b>; Stimulated monitoring process by adding Grafana and Dynatrace tools for data visualization.</li></ul>	

## PROJECTS

<b>Codepod</b> - (In progress)   Golang, PostgreSQL, React.js <ul style="list-style-type: none"><li>A podcast player web app for all the coding and technology-related podcasts with advanced functionalities.</li><li><b>Scraping podcasts using RSS feeds using go routines</b>.</li><li><b>Podcast recommendation system</b> that uses <b>NLP</b> for <b>Named-entity recognition</b> to tag and make any podcast follow-able by entities.</li></ul>
<b>AMS Using Face Recognition</b>   Python(OpenCV, Django), RaspberryPI 🐙 <ul style="list-style-type: none"><li>Smart attendance management system(AMS) that <b>recognizes the face and marks the attendance</b>.</li><li>Achieved <b>89% accuracy</b> for recognizing face <b>by researching different hardware configuration &amp; Open CV algorithms</b>.</li><li><b>This project got shortlisted for the Regional round of Smart Gujarat Hackathon-2020</b>.</li></ul>
<b>Contest Reminder</b>   Python(Django), MySQL, Cron-jobs 🐙 <ul style="list-style-type: none"><li>An <b>Email subscription service</b> that reminds competitive programming contests hosted on different platforms such as <b>Codechef, Hacker-earth, HackerRank</b> etc.</li><li>Fetching contest data using <b>selenium</b> from these platforms using cron-jobs.</li><li><b>Open-sourced &amp; Mentored this project as a part of Kharagpur Winter of Code(KWoS-Organized by IIT-Kharagpur)</b></li></ul>
<b>ChuckMate</b>   Python(Django) 🐙🔗 <ul style="list-style-type: none"><li><b>A Web-app that feeds new joke</b> on every click, allowing users to change the name of the main character with their dear ones and allow them to share with them.</li></ul>

## ACHIEVEMENTS

<b>Competitive Programming</b> <ul style="list-style-type: none"><li><b>ACM ICPC - Honourable Mention</b> : Secured <b>477th (top 10%)</b> rank in online round and 79th in Kanpur region round of ICPC Asia Kanpur Regionals. 🔗</li><li><b>TCS Codevita Season-8</b> : Ranked <b>439 (top 1%)</b> in Round-1 of TCS Codevita coding challenge.</li><li>Ratings : <b>Codechef</b>(1868 - 4 Star) , <b>Codeforces</b>(specialist-1484) , <b>HackerEarth</b>(1524)</li></ul>
<b>Hackathons</b> <ul style="list-style-type: none"><li><b>Smart India Hackathon (2020): 1st Runner up</b> in Hardware Edition honored by Government of Uttarakhand; Worked as Backend Developer(Developed &amp; Deployed Rest APIs using Flask) in the team of 6.</li><li><b>Smart Gujarat Hackathon (2019-20):</b> Attendance management system using face recognition project got shortlisted for regional round of SGH. 🔗</li></ul>