

# Devansh Akruvala

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## Education

Concordia University, Montreal – MS in Applied Computer Science (GPA: 3.94/4.3)	May 2025
Charotar University, Anand – B.Tech in Information Technology (GPA: 9.71/10)	May 2022

## Skills

**Languages:** C++, Go, JavaScript, TypeScript, Java, SQL, HTML, CSS

**Framework:** React.js, Node.js, Express.js, Spring Boot, Jest

**Databases:** MySQL, PostgreSQL, Amazon DynamoDB, Amazon S3, Redis

**Tools and Technologies:** Git, GitHub, Jenkins, Docker, Kubernetes

## Experience

<b>Software Engineer</b> KoolMind Technolab	June 2022 – July 2023 Ahmedabad, India
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- Boosted online transaction success rate by 13% through integration of 3 payment gateways in a Java microservice
- Tackled slow API response times by implementing Redis caching, achieving a 20% improvement in performance
- Implemented JWT token-based authentication and authorization mechanisms for secure API access control
- Empowered stakeholders with interactive React and Redux dashboards, enabling data-driven decisions

<b>Machine Learning Engineer Intern</b> Indian Space Research Organisation	Dec 2021 – May 2022 Ahmedabad, India
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- Enhanced Landsat satellite image mosaic quality by 90% by developing machine learning model from scratch in python, utilizing Gauss-Newton optimization for color balancing
- Developed an end-to-end pipeline, enhancing data synthesis and analysis efficiency, by integrating image ingestion, image processing, color balancing and mosaic generation
- Boosted developer efficiency by creating a Python library that simplifies TIFF file handling and data access

<b>Software Engineer Intern</b> KoolMind Technolab	Apr 2021 – Aug 2021 Ahmedabad, India
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- Developed Invoice Creator app for invoicing, payment tracking, and client management using Flutter and SQLite
- Increased revenue by 15% from the previous quarter, by integrating Google AdMob API for ads placement
- Boosted user engagement by 30% by integrating Firebase Cloud Messaging for targeted notification strategies

<b>Software Engineer Intern</b> Navpad Infotech	Apr 2020 – July 2020 Vadodara, India
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- Contributed to an online exam app in C#, ASP.NET, and SQL Server
- Implemented email verification, password reset, and auto exam submission on time expiration or tab change
- Improved performance of exam and user microservices by writing efficient code and SQL queries

## Projects

<b>CodeSync</b>   Java, Spring Boot, RESTful API, Spring Security, Junit, React, Redux, MySQL, Maven	link
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- A web app for code review, enhancing user collaboration and feedback quality, by enabling submission of pull requests and receiving feedback via comments and videos

<b>load balancer</b>   Go	link
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- Developed a load balancer in Go, optimizing traffic distribution, by using algorithms such as round robin, iphash, and weighted response time

<b>Smart Entrance System</b>   Python, Django, SQLite3, Pyfirmata, Bootstrap	link
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- An Arduino and web solution for event security and management, reducing entry time by 40%, by implementing dynamic form links for registration and QR code passes. Used by over 2000 users at university workshops and events

<b>My Notebook</b>   Node.js, React.js, Express.js, MongoDB, Bootstrap, Jest	link
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- Developed a web app for creating and storing notes, enabling synchronization across multiple devices, providing rich text editing, and offering secure storage, through a responsive design and real-time database updates

## Achievements and Leadership

- Led the university coding club, organizing and delivering workshops on Flutter and Python
- Achieved an All India rank of 5040 out of over 100,000 participants in the GATE exam