

Devansh Akruvala

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Education

Concordia University, Montreal – Master of Applied Computer Science (GPA: 4.0/4.3)	May 2025
Charotar University, Anand – B.Tech in Information Technology (GPA: 9.71/10)	May 2022

Skills

Languages: C++, Java, Python, Go, JavaScript, TypeScript, SQL

Framework: Spring Boot, React.js, Node.js, Express.js, Django, Flutter, Jest, Junit

Databases: MySQL, MongoDB, AWS DynamoDB, Amazon S3, Redis

Tools and Technologies: Git, GitHub, Jira, Jenkins, Docker, Kubernetes, AWS, GCP, Linux

Experience

Software Engineer AI Square (OpenGrowth)	July 2024 – Present California, USA, Remote
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- Reduced authentication time by 38% by developing a scalable Single Sign-On microservice using Django Rest Framework, enabling seamless login across multiple services on subdomains
- Streamlined dynamic RAG data injection, enhancing system responsiveness by implementing Celery for asynchronous task execution and automating workflows with Django signals
- Achieved a 9% cost reduction by integrating LangSmith for LLM call monitoring and prompt optimization

Teaching Assistant Concordia University	August 2024 – Present Montreal, Canada
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- Led tutorials for a Data Structures and Algorithms course, teaching core concepts and live coding in Java to strengthen students' problem-solving abilities and coding proficiency
- Guided students in a Programming and Problem-Solving course, helping them identify edge cases and write optimized code during lab sessions

Software Engineer 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 21% 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

Machine Learning Engineer Intern Indian Space Research Organisation	Dec 2021 – May 2022 Ahmedabad, India
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- Enhanced Landsat satellite image mosaic quality by 88% 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

Software Engineer Intern 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 16% from the previous quarter, by integrating Google AdMob API for ads placement
- Boosted user engagement by 22% by integrating Firebase Cloud Messaging for targeted notification strategies

Projects

CodeSync Java, Spring Boot, RESTful API, Spring Security, Junit, React, Redux, MySQL, Maven	link
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	

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

Smart Entrance System Python, Django, SQLite3, Pyfirmata, Bootstrap	link
An Arduino and web solution for event security and management, reducing entry time by 43%, by implementing dynamic form links for registration and QR code passes. Used by over 2000 users at university workshops and events	

Warzone Java, Junit, Maven, CI/CD GitHub Actions	link
Developed a RISK Warzone game in Java, enabling territory attacks with custom battle logic and random probability, using design patterns like Strategy, Observer, State, Command, Adapter, and Singleton to write scalable code	