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## Education

### Dalhousie University

Masters in Computer Science | GPA: 3.95 / 4.0

01/2022 - 06/2023

### Gujarat Technological University

Bachelor of Engineering in Information Technology. | CGPA: 3.57 / 4.0

06/2016 – 06/2020

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## Experience

### Full Stack Developer - RiskTec Systems

01/2024 - Present

- Engineered Python Django back-end, including views, serializers, and database integration.
- Refined data models with Django custom migrations and synchronized search filters frontend to backend.
- Employed Next.js with Radix-UI in TypeScript for frontend and utilized Context API for state management.

### Software Developer - Dalhousie University

08/2023 - 12/2023

- Personally Contacted by Dalhousie University to explore solutions for reducing assessment time for courses
- Researched GitLab APIs and translated complex requirements into actionable steps. Leveraged prior experience with Node.js to expedite development, delivering the project within a tight 3-month deadline.
- Spearheaded **GitLab Visualization tool**. Monitor students across **three courses** at Dalhousie University.
- Reduced assessment time by **89% (from 160 to 18 hours)**, saving over **\$10,000 annually** for the university.
- Exceeded expectations by delivering the project early with optimized efficiency and complete requirement fulfillment.

### Software Developer CO-OP - Canada Revenue Agency

01/2023 - 05/2023

- Created microservice in an Agile environment using Java, PostgreSQL & Maven **reducing manual efforts by 60%**.
- Facilitated gRPC for communication, **7X faster** than REST API. Conducted testing with JUnit & Mockito.
- Enhanced Angular app for bulk uploads with Solace, and automated deployment of Docker on OpenShift via Jenkins.

### Software Developer - Cromson Technologies

01/2020 - 01/2022

- Worked in the agile software development environment with **3 teams separated over different time zones**.
- Automated the translation of meeting recordings from English to Spanish by developing a microservice Adopting AWS services, bridging communication gaps with the Brazil team, and **reducing project delays by 17%**.
- Developed a complex B2B web application's front end with React, increasing user **interaction time by 22%**.
- Built microservices in Java Spring & Python Django for data importers to validate, transform, & import data from multiple CSV files and developed an online invoice payment app reducing **uptime by 17%**.
- Formulated SQL, queries, views, and stored procedures, and **increased overall efficiency by 27%**.

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## Skills

**Languages & Databases:** C++, JavaScript, TypeScript, Java, Python, MongoDB, MySQL, PostgreSQL, Prisma.

**Frameworks & Others:** Redux, RxJS, gRPC, Context API, Hibernate, Maven, JUnit, Django.

**Web Technologies:** HTML, CSS, Angular, NextJs, ReactJs, NodeJs, ExpressJS, DOM.

**Technologies:** Git, Docker, GCP, Kubernetes, OpenShift, AWS, Shell Scripting(Bash), OAuth2, GraphQL, Jira.

**Cloud Technologies:** S3, EC2, RDS, CloudWatch, Lambda, WAF, Route 53, ALB, ASG, DynamoDB, VPC.

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## Entrepreneurial Experience

### [Alpha Algo](#)

- Founded Alpha Algo, a coding platform with **50+ users**, developed a cross-platform interface with React.
  - AlphaGPT GenAI Coding Assistant helps users tackle challenges in various programming languages.
  - Developed a Node & Express backend with REST APIs, ensuring **100% protection** against XSS, and CSRF attacks.
  - Automated containerized deployment with Docker and Github Actions on EC2, **reducing server costs by 40%**.
  - Innovated OAuth authentication using Google and GitHub APIs for secure user authentication.
  - *Note:* The above link is for demo purposes only, as deploying the production version requires additional resources.
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## Achievements And Certifications

- [GeeksForGeeks: Ranked Top 50 worldwide on GeeksForGeeks Competitive Coding platform.](#)
  - [Amazon Web Services \(AWS\) Certified Solutions Architect - Associate.](#)
  - [Amazon Web Services \(AWS\) Certified Cloud Practitioner.](#)
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## Extracurricular

**Computer Science Teaching Assistant At Dalhousie University** | 09/2022 - 12/2023

Cloud Computing, Data Structures & Algorithms, Network Security

- Mentored **200+ students** in AWS, Docker, CloudFormation, Kubernetes, Data Structures, and Algorithms.
- Assisted **30+ students** on cloud architecture, report reviews, and leading live sessions on AWS serverless design.

### [Co-Founder of Dalhousie Computer Science Leaders Society](#)

- Established a society at Dalhousie University, empowering **100 enrolled** students to excel in competitive coding.
- Led the first-ever summer code camp at Dalhousie University, and hosted five live coding sessions for **100+ students**.

### [Smart India Hackathon](#) | 03/2020

- Secured First Position at (state levels) and led a team of 5 in the finale of Smart India Hackathon 2020 (Nationals).

### [Drug Discovery Hackathon](#) | 8/2020

- I designed a neural network in Python to predict Drug-Induced Liver Injury with accuracy of 72% for Hackathon 2020.

### **Mental Math Count Competition** | 11/2017

- I was ranked 1st in my university for the Mental Math Count Hackathon. Mental Math for Hundred Unit.
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## Projects

### [Online Code Editor](#)

**ReactJs, TailwindCSS, REST API, JudgeO, RAPID API, Monaco Editor**

- Utilized REST API: RapidAPI for the deployment of JudgeO, facilitating code compilation across 40+ languages.
- Implemented code Editor in React for dynamic theme changes and detailed execution insight like time & memory.

### [Omnicent](#)

- Launched Omnicent, a robust SaaS product using Next.js with TypeScript, Prisma ORM, and TRPC for the backend.
- Incorporated real-time streaming responses, leveraged Kinde API for authentication and UploadThing API for file storage on AWS S3.

### [RentoCar Rentals](#)

**ReactJs, Amazon Web Services, Lambda, SNS, S3, SQS, EC2, API Gateway, DynamoDB**

- The users of this application can reserve a car with online payment option, view reviews, a car comparison option to compare the cars, offers to apply, online support during or after reservation, and apply for job postings.

### [Dalhousie Multifaith Service](#)

**React, Python Django, Gitlab CI, SonarQube, MongoDB, MySQL**

- Designed the platform following agile methodology to help 20000+ students overcome mental health issues.
- Implemented clean coding practices including Test-Driven Development, Design Patterns, and SOLID principles.