

SUMMARY

Diligent Software Engineer pursuing Master of Applied Computer Science capable enough to develop software-based solutions using innovative ideas with a critical thinking ability and technical skills

TECHNICAL SKILLS

Programming Languages	: Java, JavaScript, Python, SQL, C, C#, C++.
Frameworks	: Spring, Angular, React.js, Express.js, Node.js, Bootstrap, .Net Core, .Net Framework
Databases	: MySQL, PostgreSQL, MongoDB, DynamoDB, S3, Firestore, Neo4j
Tools	: Eclipse, RabbitMQ, Visual Studio Code, GIT, JIRA, DataDog, JFrog, Kibana, Firebase Fiddler, Postman, MySQL Workbench, Tableau, Slack, Linux, Microsoft Office 365, Google Suite
Cloud	: Amazon Web Services (AWS), Google Cloud Platform (GCP), Docker, Heroku
Concepts	: Agile Scrum Methodology (PMLC), Data Structure and Algorithms, Problem Solving and Analysis, Unit & Integration Testing, Software Development Lifecycle (SDLC)
Transferrable Skills	: Leadership, Team Working, Critical Thinking, Analytical Skill, Adaptability, Time Management

EDUCATION

Masters in Applied Computer Science *September 2021–Present*
Dalhousie University, Halifax, NS, Canada

Bachelors in Information & Communication Technology *August 2016 - August 2020*
Gujarat Technological University, Ahmedabad, Gujarat

Relevant Coursework: Data Structure, Algorithms, Database Management System, Object Oriented Programming using Java, Web Technology

PROFESSIONAL EXPERIENCE

Associate Software Engineer *June 2020 – June 2021*
Thomson Reuters, Gujarat, India

- Implemented the accounting microservices in **.NET framework** and consumed from **Angular** module for **Tax Accounting** feature
- Improved the existing feature flow by implementing an event-driven system using the **RabbitMQ** and **AmazonS3** to make an asynchronous system, resulting seamless user experience and 10% increase in customers
- Migrated existing feature from **AngularJS** to **Angular** for easy feature integration, leading to a 20% hike in sales in June 2020
- Performed feature development using **Test Driven Development**, resulting in achieving 95% testing efficiency and robustness

Software Engineer Intern *December 2019 – May 2020*
Thomson Reuters, Gujarat, India

- Implemented an authentication microservice and integrated ONVIO with Xero using **OAuth 2.0**, resulting in robust authentication
- Developed & published the **NuGet** package with **.NET Core** and **Entity Framework** for Database Bucketing concept, resulting in increasing data efficiency by 30%
- Developed **Angular** module to add integration feature, resulting features enrich product
- Refined business requirements and engineered a solution using **.NET Core** and **Angular** with technical diagrams, resulting in product development easier by 30%
- Participated with other interns and software developers to manage the sprint backlogs and user requirements
- Involved in team discussions for improvising the product and meeting project deadlines along with a keen attitude to help and motivate teammates

Business Analyst Intern *June 2019 – September 2019*
BrainItOn, Gujarat, India

- Designed **Business Strategies** for increasing growth of business, resulting in increment of revenue by 20%
- Developed **Marketing Strategies** for more user attractions
- Curated the original content for the company including articles, blogs, and quizzes for better **Content Delivery**

GRADUATE ACADEMIC PROJECTS

Feed the Food | Tech Stack: React, Express.js, Node.js, Cloud (AWS) [GITHUB](#)

- Provisioned and Configured AWS Cloud Infrastructure with necessary services for web application
- Created **User Pools** for **Admin**, **NGO**, & **Donor** in **AWS Cognito** for **Authentication** and **Access Control**
- Implemented Auto Certificate Verification using **S3**, **Lambda**, and **AWS Texttract**
- Executed **Simple Email Service** with **Lambda** for User registration and NGO verification
- Implemented voice to text conversion for Donor using **AWS Transcribe**
- Deployed **NodeJS** and **ReactJS** application on Elastic Beanstalk using **CloudFormation**

Step To Learn | Tech Stack: PostgreSQL, ChakraUI, NestJS, ReactJS, ExpressJS [GITHUB](#)

- Designed a Database Schema using **PostgreSQL** to achieve data integrity and to manage large dataset
- Implemented Feed Post Rendering and Email Notification using **NestJS** with **ExpressJS** framework to build an efficient and scalable web application
- Designed frontend using **ChakraUI** and **ReactJS** with web design principles for a responsive seamless experience

Distributed DB System | Tech Stack: Java, SpringBoot, SQL [GITHUB](#)

- Designed a console-based **Distributed** DBMS with a customized DB structure and file format using java spring
- Executed **Transaction Query Management** to follow ACID properties and Transaction Management
- Implemented the **Query Parser** with Lexical, Syntactic and Semantic analysis using Regular Expressions

Wanderer | Tech Stack: Angular, SpringBoot, Java [GITHUB](#)

- Implemented **Single sign-on (SSO)** and **JWT authentication** module for the system by integrating Google's OAuth 2.0 with angular and spring boot
- Deployed **mono repo** web application on Heroku with a customized script by creating GitLab **CI/CD Pipeline**, triggering on change in **Backend** and **Frontend** respectively real-time
- Achieved Test-Driven Development by writing **JUnit Test Cases**
- Delivered high-quality software following **SOLID principles**, **Cohesion**, **Coupling**, **Code Refactoring**, and **Cleaning Techniques**. Implemented **Code Quality Pipeline** resulting in 95% of code quality by resolving code smell
- Employed real-time data updates using firebase and stored constant data using **PostgreSQL**

COVID Path Finder | [GITHUB](#)

- Created a pathfinder system using **Dijkstra's** shortest path finder algorithm to find out the shortest path for travellers
- Implemented **Priority Queue** to prioritize traveller based on time, cost, and travel mode
- Implemented various data structure concepts such as **HashMap**, **LinkedList**, **Array List**, **HashMap**, **Priority Queue**, and **Set** to optimize time or space complexity

UNDERGRADUATE ACADEMIC PROJECTS

LJKONNECT | Tech Stack: Angular, PWA, Firebase [GITHUB](#)

- Designed **Event Registration** Frontend for Admin and User role with **Angular** for building interactive dynamic application
- Implemented **Authentication** feature with **Firebase** to reduce workload and development time
- Developed **Progressive Web Application** for platform independent access

ACHIEVEMENTS & RECOGNITION

- Earned **Certifications** in **Customer Analytics** and **Engineering Project Management**
- “**Smart India Hackathon 2019 Finalist**”, selected among two teams from entire state to represent the college
- I handled the team project for a competition organized by Thomson Reuters and ranked third leading to a job offer.
- Earned the scholarship of **GHCI 2019**, one of the largest women gathering platform from all over field
- Successfully performed the **Live Testing** of **LJKconnect** web application by using it for college event fest
- Rewarded with the best **Intern** at Thomson Reuters from batch of 2020 and featured on LinkedIn
- Delivered **Tech Talks** on **RabbitMQ** and **OAuth** at international level for knowledge transfer