

Jeel Patel

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EDUCATION

Masters of Science : Computer Science

The University of Texas at Dallas

Aug 2021 - May 2023(Expected)

CGPA - 3.53/4.00

Coursework : Design and Analysis of Algorithms, Database Design, Software Engineering, Object Oriented Analysis and Design, Advanced Operating Systems, Data and Application Security

Bachelors of Engineering : Information Technology

Gujarat Technological University

Aug 2017 - June 2021

CGPA - 9.52/10

Coursework : Data Structures, Distributed Database Management System, Computer Networks, Object Oriented Programming with C++

SKILLSET

- **Languages** - Java, Javascript, Python, C++, C, jQuery, SQL, HTML and CSS
- **Frameworks** - Spring and Spring Boot, NodeJs, React, Redux, JUnit
- **Database Technologies** - MySQL, MongoDB, Amazon RDS
- **Cloud** - AWS - EC2, Heroku
- **Others** - MVC Architecture, Git, Design Patterns, Object-Oriented Design

PROJECTS

BitSwap - Bitcoin Transaction System

Jan-2022 - April-2022

Technologies : Heroku, NodeJs, ExpressJs, MySQL, REST APIs, Handlebars, Bootstrap

- Provided cloud-based platform in a team of 5 where clients and traders have capabilities to buy and sell the bitcoins
- Implemented MVC architecture using REST APIs as well as designed MySQL database
- Defined payable commission strategy for transaction of bitcoins to separate out the clients based on different tiers with the accuracy of 94% using microservices
- Secured the platform 87% by leveraging passportJS Strategy and JWT tokens for authentication and authorization
- Deployed the platform along with database on Heroku Cloud and achieved overall latency of 28 milli-seconds

Google Drive Encryption App

Sept-2021 - Dec-2021

Technologies : NodeJs, REST APIs, Google Cloud, Bcrypt, Bootstrap

- Led a team of 3 to create a web application to store the files in google drive where the content of the files being encrypted using AES-GCM 256 encryption algorithm
- Implemented backend APIs for encrypting/decrypting the files and uploading/downloading the files
- Developed the strategy for sharing the file with other users by implementing Shamir-Secret key sharing algorithm

Online Hackathon Management System

Jan-2021 - Mar-2021

Technologies : Spring Boot, Java MVC, React, REST APIs, JPA, AOP, MySQL, Bcrypt, RDS, AWS

- Designed and created online hackathon management system using Java Spring Boot with frontend in ReactJs
- Implemented microservices for hackathon creation, hackathon registration in a team, start and end the hackathon as well grading of the same
- Achieved data consistency using JPA and increased modularity using Aspect oriented programming for logging

ShowTracker - Movies and TV Shows Tracker

Aug-2020 - April-2021

Technologies : Heroku, NodeJs, React, ExpressJs, MongoDB, REST APIs, Bootstrap

- Introduced the Full stack web application using MERN stack in a team of 4 to track the movies and TV shows watched on over-the-top(OTT) platforms
- Created RESTful interface which simplified the tracking of movies and TV shows for the users with 78% accuracy
- Used ReactJS for single-page applications and improved the user experience with response-time 2.3 seconds