DEEPEN PATEL

A student with curious and collaborative personality, striving to solve complex technical problems by developing Innovative solutions and creating real-world, high-quality products.

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EDUCATION

- **San Jose State University** — **San Jose, California**
  Master's degree, Software Engineering — **(2020-2021)**
  Key courses:
  Enterprise Distributed Systems, System Software Engineering

- **L.D. College of Engineering, Gujarat Technological University** — **Ahmedabad, India**
  Bachelor's degree, Computer Engineering — **(2015-2019)**
  Key courses:
  Data Structures and Algorithms, Database Management Systems, Operating Systems, Software Engineering, Web Technologies

PROJECTS

Amazon Replica - a prototype of amazon.com — **(April 2020 - May 2020)**

- Built a scalable and secure web-application similar to amazon.com in a team of five.
- Designed front end elements using React and implemented back end REST APIs using Node.js connected to both SQL and NoSQL databases.
- Implemented authentication using Passport - Jwt token and tested APIs using JMeter and Mocha.
- Deployed on AWS EC2 instance with Auto-scaling and Load Balancer.
- **Technologies:** JavaScript, Node.js, React, Redux, MySQL, MongoDB, Redis, HTML, CSS, Bootstrap, AWS, Apache Kafka.

Handshake Clone - simulation of popular job application platform joinhandshake.com for college students — **(April 2020)**

- Developed a MERN Stack application, where students can apply to job postings, register for eligible events posted by companies, look at other students' profile and communicate with them via messages.
- Used connection pooling which helped increase the response rate of server and tested using Postman.
- Hosted on Amazon AWS EC2 and developed following the SCRUM methodology for software development.
- **Technologies:** JavaScript, Node.js, React, MongoDB, Express.js, HTML, CSS, Bootstrap, AWS.

Credit Card Detection — **(April 2020)**

- Built an application for verification and classification of Credit cards from different file formats in java using Gang of Four - Design Patterns.
- **Technologies:** Java, JUnit.

CERTIFICATION

- Certificate in 'C', by CDAC – Centre for Development of Advanced Computing, Govt. of India. — **(Dec 2016)**

OTHER SKILLS

- Python, C++, Git, Linux.