

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**
(2020-2021)
Master's degree, Software Engineering
Key courses:
Enterprise Distributed Systems, System Software Engineering
- L.D. College of Engineering, Gujarat Technological University** **Ahmedabad, India**
(2015-2019)
Bachelor's degree, Computer Engineering
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.

WORK EXPERIENCE

- Application Development Lab, L.D. College of Engineering** **(May 2018 - Dec 2018)**
- Built and maintained several portions of college website.
 - Technologies:** JavaScript, Node.js, React, HTML, CSS, Bootstrap.

CERTIFICATION

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

OTHER SKILLS

- Python, C++, Git, Linux.