

# SHARDUL DAVE

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## EDUCATION

California State University, Los Angeles

August 2017 - May 2019

Master of Science in Computer Science

GCET, Gujarat Technological University, Ahmedabad, India

June 2013 - June 2017

Bachelor of Engineering in Computer Engineering

## TECHNICAL SKILLS

**Core Concepts:** Strong understanding of OOP, Data Structures and Algorithms. **Programming languages:** Java, Python, C, C++, JavaScript.

**Web Development Skills:** HTML5, CSS3, PHP, J2EE, MySQL, MongoDB, Express, Angular, Node.js, React JS, MS SQL, Flask, AJAX, PostgreSQL

**Platforms & Tools:** Linux, Git, Amazon Web Services (AWS), Apache Kafka, Android Studio, Apache Hadoop, Visual Studio Code, IntelliJ.

## TECHNICAL EXPERIENCE

Exxat, La Crescenta, CA, United States

May 2018 - August 2018

Intern

- Wrote SQL scripts to migrate data from the Microsoft Excel sheets to the Microsoft SQL server database.
- Designed test cases to validate metadata and functional data according to their mappings as described by the team to automate the process which increased the team's productivity by 30%.
- Documented the overall process of Data migration.

Accusol Technologies Pvt. Ltd., Gujarat, India

May 2016 - April 2017

Junior Software Engineer

- Worked with the development team on the EduERP product of the company.
- EduERP provides one-point access to manage wide range of activities related to schools and colleges.
- EduERP is a web-based solution built using HTML, CSS, JavaScript, AngularJS, JSON, REST APIs and MySQL.

## PROJECTS

Catalog Application

January 2019 - April 2019

Python | Flask | PostgreSQL | SQLAlchemy | Amazon EC2 Instance

- A web application that provides a list of items within a variety of categories with CRUD operability.
- It integrates Google OAuth for registration and login.
- It implements JSON API endpoints to serve the data of category list and the item list.
- Hosted on EC2 instance of AWS with database server as PostgreSQL and web server as Apache HTTP Server.

Movie Ticketing Portal

January 2019 - April 2019

React JS | Node JS | Express | MongoDB | MySQL | Apache Kafka | Redis

- Designed a distributed web application which provides functionalities and features of Fandango using MERN stack.
- Improved the website response time by 75.5% using Redis with Kafka connection pooling.
- Developed an administrator dashboard with web analytics that tracks and displays data based on web traffic.

Emergency Finder

September 2018 - December 2018

JAVA | Android Studio | MySQL | XML

- Developed an android application that helps locate nearby police stations, hospitals and fire stations.
- Fetches the user's current location and nearby police stations, hospitals, fire stations through Google Map APIs.
- Application can navigate the user through nearby emergency services.

Online FIR Management System

June 2016 - August 2016

HTML | CSS | JavaScript | PHP | MySQL

- Developed a web application which helps to report complain by the complaint.
- Features includes a systematic process to report a complain and generate a proper report.
- Police officers can view the report, ask for further queries and can forward it to the investigation officer.

## VOLUNTEERING EXPERIENCE

IEEE GCET Student Branch, Gujarat, India

June 2015 - April 2016

Web Developer

- Successfully updated the front-end user interface of college website to make the website visually appealing and enhanced usability.
- Tasks involved publishing content, maintaining continuity of themes, design layout of the college website.
- Developed web portals for national level technological events such as STAC and IMAZE.

## CERTIFICATIONS

Udacity

January 2019 - April 2019

Full Stack Web Developer Nanodegree

Udemy

September 2018 - December 2018

Web Developer Bootcamp