

EDUCATION

Santa Clara University, Santa Clara, California

EXPECTED MAR 2021

Master of Science in Computer Science and Engineering

Gujarat Technological University, Ahmedabad, India

JUN 2019

Bachelor of Engineering in Computer Engineering

Nirma University, Ahmedabad, India

JUN 2016

Diploma in Computer Engineering

WORK EXPERIENCE

Graduate Research Assistant – Santa Clara University, Santa Clara

JUN 2020 - PRESENT

- Lead a team of six for developing efficient web application using **ReactJS**, **NodeJS** and **mongoDB**.
- Worked closely with key executives throughout the development cycle ensuring the team met their requirements.
- Assigned tasks, provided technical support and periodically reviewed the progress of the team members to ensure maximized efficiency, complete understanding of requirements and successful completion of issues.

Intern, Software Engineer (Full Stack Development) – Opal Organization, Campbell

JUN 2020 - SEP 2020

- Collaborated in development of a mobile application in **React Native** and **Python**; designed a matching algorithm to intersect their interests based on multiple demographic attributes using Spotify's Annoy algorithm.
- Wrote lambda functions to trigger API calls and actions on **AWS S3** and **DynamoDB**.
- Designed reusable image picker component and integrated maps to locate user's current location along with other components and screens; compressed obtained user's picture which resulted into **space optimization by ~35%**.

Intern, Software Development – Indot Web Solutions, Ahmedabad

DEC 2015 – MAY 2016

- Developed a database-driven web application in **PHP** with **MySQL**.
- Designed data models to communicate functional requirements of software to ensure needs satisfaction and quality to clients.
- Gathered system requirements for service providing system; analyzed user behavior using locally obtained dataset provided to attract a wide range of user base which resulted in **increased user base of ~4%**.

PROJECTS AND RESEARCH

WebCrawler (Java, JSoup)

MAR 2020

- Developed a web crawler in Java to collect URLs from HTML documents; parsed HTML document with help of JSoup library to find anchor tags and maintained a queue of URLs to crawl furthermore.
- Defined parallelism in application by implementing synchronized multithreading, which resulted in **increase of ~66% efficiency**.

E-Commerce Application (Ruby on Rails)

MAY 2020 - JUN 2020

- Built a web application to demonstrate an e-commerce system that includes features like product listing, cart and checkout.
- Created a user-friendly admin panel in Rails to **maximize accessibility** through which admin can manage all the modules.

CareTaker (HTML, PHP, MySQL)

DEC 2018 - MAY 2019

- Designed a relational database-driven web application, primarily considering senior citizens, for simplifying reservation of caretaker services in a specific geographic area; features implemented include book service, service history, caretaker profile, receipt generation, automated email, and SMS notification.
- Implemented PureCSS framework for front-end, which minimized performance burden and **increased overall speed by ~6%**.

Binder (Java, XML, SQLite)

JUN 2018 - AUG 2018

- Collaborated with a team of four to develop and deploy android application to view/access files and directories from either internal or external storage; one can manage these files and directories by performing operations like open, rename, copy, paste, and remove.
- Implemented file compression API to make compressed file from original file.

TECHNICAL EXPERTISE

- Languages and Frameworks: Java, PHP, ReactJS, React Native, JavaScript, HTML, CSS, Ruby on Rails, AJAX, NodeJS, C++, Shell
 - Databases: MySQL, NoSQL, MongoDB, SQLite, Postgres
 - Tools & Technologies: Postman, AWS, GCP, Git, JIRA, Notion, Confluence, Figma, Visio, Agile
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