

EDUCATION:

Santa Clara University, Santa Clara, California

EXPECTED MAY 2021

Master of Science in Computer Science and Engineering

Expected Coursework: Design and Analysis of Algorithms, Database Systems, Object Oriented Analysis, Design and Project

Silver Oak College of Engineering & Technology, Gujarat Technological University, Ahmedabad, India

JUN 2019

Bachelor of Engineering in Computer Engineering

Relevant Coursework: Data Structures and Algorithm, System Programming, Compiler Design, Theory of Computation, Operating Systems

Laurentian University, Sudbury, Ontario, Canada

JUN 2018 - AUG 2018

International Experience Program 2018, Gujarat Technological University

Relevant Coursework: Web Data Management

Institute of Diploma Studies, Nirma University, Ahmedabad, India

JUN 2016

Diploma in Computer Engineering

WORK EXPERIENCE:

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

JUN 2020 - PRESENT

- Collaborating in development of a mobile application in **React Native** and **Python**.
- Designing a matching algorithm to intersect their interests based on multiple demographic attributes.
- 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%**.
- Designed UX designs for mobile and dashboard using Figma; implementing dashboard using **ReactJS**.

Graduate Research Assistant – Santa Clara University, Santa Clara

JUN 2020 - PRESENT

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

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 for, primarily considering senior citizens, 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, Kubernetes, Docker, AWS, GCP, Git, JIRA, Notion, Confluence, Figma, Agile
-