

EDUCATION

Santa Clara University, Santa Clara, California
Master of Science in Computer Science and Engineering

EXPECTED JUN 2021

GPA: 3.5

Gujarat Technological University, Ahmedabad, India
Bachelor of Engineering in Computer Engineering

JUN 2019

GPA: 3.87

WORK EXPERIENCE

Opal Organization, Campbell

Intern, Software Engineer (Full Stack Development)

DEC 2020 - PRESENT

- Improving the matching algorithm to intersect users' interests based on demographic attributes and their behavioral data.
- Evaluating different potential solutions to business problems in collaboration with cross-functional partners and product managers.
- Writing Lambda functions to trigger designed REST API calls and actions on AWS S3 & DynamoDB.

Summer Intern, Software Engineer (Full Stack Development)

JUN 2020 - SEP 2020

- Collaborated in development of a mobile application in React Native and Python working closely with cross-functional teams.
- Designed a matching algorithm to intersect users' interests based on demographic attributes using Spotify's Annoy algorithm.
- 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 in **space optimization by ~35%**.

Santa Clara University, Santa Clara

Graduate Research Assistant

JUN 2020 - JAN 2021

- Led a team of six for developing an efficient customer-centric web application using ReactJS, NodeJS, and mongoDB.
- Collaborated with product managers, cross-functional partners, and teammates to solve complex business problems.
- Managed weekly team meetings, reviewed code, and ensured team members' understanding of proposed technical approaches; involved in application deployment and A/B testing.

Indot Web Solutions, Ahmedabad

Intern, Software Development

DEC 2015 – MAY 2016

- Developed a database-driven responsive 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 an **increased user base of ~4%**.

PROJECTS AND RESEARCH

Yelp Dataset Challenge (Java Swing, Java AWT, Oracle Database 11g, JSON)

OCT 2020 - NOV 2020

- Extracted meaningful data from multiple JSON files for ~20000 businesses with their user data and ~800K reviews using Java, transformed a few values of attributes to match with other values and loaded them in Oracle Database.
- Designed dynamic UI in Java Swing and Java AWT, to showcase useful information for local businesses and individual users; implemented faceted search resulted in efficient application

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**.

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%**.

E-Commerce Application (Ruby on Rails) | Mobile Comm. Network Simulation (C language) | Binder (Java, XML, SQLite)

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 & Methodologies: Postman, AWS, GCP, Git, JIRA, Notion, Confluence, Figma, Visio, Agile, Docker, Kubernetes
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