
EDUCATION**Santa Clara University****Master of Science in Computer Science**

Santa Clara, CA

June 2018

- Courses: Design and Analysis of Algorithms, Advanced Web programming, Database Management System, Cloud Computing, Web search and Information Retrieval.

Sarvajani College of Engineering and Technology**Bachelor of Engineering in Information Technology**

Surat, India

June 2016

- Courses: Data and File structures, Object Oriented Programming with JAVA, Operating Systems, Artificial Intelligence, Data Warehousing and Data Mining.

TECHNICAL SKILLS

- **Programming Languages:** Java, Android, C++, Ruby, Python
- **Databases:** Oracle, SqlDeveloper, SQLite, MySQL, Microsoft SQL
- **Web Technologies and frameworks:** HTML, CSS, JavaScript, PHP, jQuery, ReactJs, Rails, Sinatra, NodeJs, AJAX, REST, SOAP, OAuth, Express.js
- **Tools:** Visual Studio, Eclipse, NetBeans, Dreamweaver, Notepad++, Sublime text, IntelliJ

EXPERIENCE**Curated Pathways (Santa Clara University)****SOFTWARE ENGINEER INTERN (Full-Stack)**

Santa Clara, CA

July 2017-February 2018

Project: Curated Pathways (Learning Management System)

- Authored and developed mobile LMS which targeted women and minorities helping them with STEM careers
- Built an intuitive user interface which included different functionalities like flexible reporting and analytics and personalization. Provided a responsive design support allowing students to complete certifications and track compliance initiatives.
- Implemented data security protocols to safeguard user information.
- Developed **iOS** application using **Xcode**. Used **PhoneGap** to develop it as a cross-platform application. **PHP REST APIs** are hosted on **AWS server** are called through **jQuery, AJAX**. The website is developed using **Javascript, PHP** and **SQL**.
- Successfully released the application. Garnered a user-base of 500+ students.

ACADEMIC PROJECTS**Master of Science in Computer Science**

- **Automatic Shift Scheduling Algorithm for Cafeteria:** Web Application using **Spring MVC** for automatic assigning shifts to employees based on their availability. Front-end developed using **HTML, CSS** and **Javascript**. **AJAX** is used in background.
- **Online Bookstore:** Developed a web application using **Ruby on Rails, JQuery**, and **JavaScript**. Implemented various functionalities like shopping carts, simple payment scenario, save credit card details and responsive pages. **Postgress** was used for data storage.
- **Data Analysis Application for IMDB's User Review Data:** **Java** based desktop application for running queries on MovieLens dataset and extract useful results as per search criteria. **Oracle 12c** was used for backend data storage. Indexing and Caching were used for fast performance. **Swing** was used for UI. Populated more than 100K data.
- **Movie Recommendation System:** Implemented user based collaborative Filtering Algorithm using **Python** for predicting user ratings for movies. Used Netflix data for testing and training the system. Analysed and compared the results obtained by various algorithm. Developed own algorithm which decreased the error rate by 15%.

Bachelor of Engineering in Information Technology

- **Mobile Application for Vehicle Service Assistance:** **Android** application to search the nearest available service station with ecommerce facility for buying spare parts. Website for managing work at the service station was developed using **Asp.net**. SOAP libraries were used for invoking **.net** services from android application. **GCM** service was used to send notification to the users regarding their vehicle's service station.
- **Online Job Portal:** **PHP** based website providing opportunities for job seekers as well as employers. User interface was designed using **HTML, CSS** and **Javascript**.

EXTRA CURRICULAR**Santa Clara University**

- Web Master (SWADES-Indian student association)
Adding features and maintaining the existing Swades website. Creating forms for different events organized by Swades.
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