

AKSHAR MODI

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Education

Carnegie Mellon University, Pittsburgh PA

Aug 2018 – Dec 2019

Master of Information Systems Management. GPA: 3.74/4.33

Relevant Coursework: Object Oriented Programming in Java, Database Management, Cloud Computing

Nirma University, Ahmedabad, India

July 2014 – May 2018

Bachelor of Technology in Information Technology. GPA: 8.35/10

Relevant Coursework: Data Structures, Design and Analysis of Algorithms, Operating Systems, Computer Organization, Theory of Computation, Agile Software Development

Skills

Technologies/Languages: Java, C/C++, JavaScript, ReactJS, SQL, Node.js, Android, Amazon Web Services (AWS)

Softwares: Visual Studio, Eclipse, Oracle SQL, IntelliJ IDEA, Atom, Android Studio

Internships

PlayPower Labs LLC

Gandhinagar, India

Software Development Intern

Jan 2018 – June 2018

- Devised a gamified educational platform using **ReactJS** and **Redux** to enhance learning for school children
- Developed backend via **Java**, **GraphQL** and **Amazon Web Services** lambda functions to implement serverless architecture
- Consulted with the global clients to improve upon the existing system
- Deployed the system online to provide the access to client institutes

Goldman Sachs Services

Bengaluru, India

Summer Analyst

May 2017 – July 2017

- Worked in the Technology Division under Asset Management Business Unit
- Created a fluid UI using **ReactJS** and architected the backend **RESTful APIs** using **Java** and Jersey server
- Designed and implemented a Self-service tool to automate report generation and moved it into production
- Achieved a total time gain of 18 times compared to the manual report generation approach
- Presented in front of teams across the countries and used their inputs to improve the existing system

Plenar Solutions

Ahmedabad, India

Project Manager

May 2016 – July 2016

- Led and managed a team of two people, including a junior PHP Programmer and a Quality Analyst
- Deployed a Personal Security Application that tracked daily activities and called emergency numbers in a potential threat
- Designed the frontend using Laravel **PHP** and **AngularJS** frameworks to attain increased security

Academic Projects

NutriByte: A health tracking software (CMU)

Fall 2018

- Developed a Java application, in a series of 3 versions, that help the consumers to log and track the nutrition and ingredients they consume through various products.
- Implemented JavaFX along with bindings and exception handling, to provide an error-free user interface.

City Bus Routes Android Application

Fall 2017

- Built an android based mobile application for Ahmedabad's city buses that generated fare and displayed navigation routes between source and destination
- Implemented SQLite database under Android SDK for user data and achieved high performance query retrieval

Automatic Subtitle Generator

Fall 2016

- Used FFmpeg libraries to parse video files for audio and applied Java Speech API for enhanced speech recognition to create a subtitle file
- Incorporated the generated subtitle file into the video at runtime and resolved the synchronisation issues

Sudoku Game Application

Spring 2017

- Designed a backtracking based algorithm to generate a Sudoku puzzle using C++ language
- Applied Java Swings concepts to create an interactive gameplay

Leadership and Activities

- **President**, Information Technology department's official club – Infocrats at Nirma University
- **Teacher**, Women Literacy Program by Institute of Electrical and Electronics Engineers' (IEEE) Women In Engineering Cell, Nirma University
- **Public Relations Representative**, Akshardham, New Delhi, India

Oct 2016 – Sep 2017

Jan 2016 – May 2016

May 2015 – July 2015