
EDUCATION

ARIZONA STATE UNIVERSITY
Masters of Computer Science

GPA (3 Semesters)
3.6

Tempe, AZ
2016 - May 2018

NATIONAL INSTITUTE OF TECHNOLOGY
Bachelor of Technology, Computer Science

GPA
7.3

Calicut, IND
2008 - 2012

SKILLS

- **Programming Languages:** Python, JavaScript, ECMAScript, HTML, CSS, Java, C, Shell, SQL, MongoDB
- **Development Tools:** Maven, Gradle, Git, GDB, Glassfish, Chrome Dev Tools, AWS, Google Cloud
- **Frameworks Used:** React, Redux, Immutable.js, Mocha, Karma, Node.js, Android, Dagger2, Spring, Hibernate, JAX-RS, Jersey
- **Concepts familiar with:** Machine Learning, MVC, Test Driven Development, User Modeling, Multimedia Data Retrieval

EXPERIENCE

Arizona State University
Student Programmer

Tempe, AZ
Jan 2017 - Present

- Developed an interactive web application using Laravel and Vue.js, for visualizing data of counties and states on the US map.
- Implemented API authentication and access control for PHP Laravel based application using Passport.
- Developed various features like rich text, draw able canvas, time synchronization for the frontend application of Formative Assessment with Computational Technologies (FACT) project, based on React.js framework.
- Reduced build time over 40% by automating the build process by creating parameterized build pipelines on Jenkins.
- Technologies: Node.js, React.js, Redux, Immutable.js, ECMA-6, Babel, Web pack, Mocha, Karma, Jasmine, Vue.js, Leaflet.js, Laravel, Jenkins.

Gadgeon Smart Systems Private Limited (Start-up company)
Senior Software Engineer

Cochin, IND
Mar 2016 - Jul 2016

- Developed a responsive Android client application from scratch for the Internet of Things based in house water meter solution.
- Generated a lean Android application template from the project to be re-used in future IoT based projects. The template supported features like asynchronous API calls, responsive design, dependency injection, etc.
- Technologies: Android, Gradle, Retrofit2.

Samsung Research and Development Institute
Senior Software Engineer

Bengaluru, IND
Jul 2013 - Oct 2015

- Developed UI components for email client application for Samsung phones and watches. Developed features like Swipe to load next/previous emails, draw able email body, events and RSVPs, etc.
- Refactored code to work on low end Tizen phones cutting down memory usage by 68%.
- Refactored code to work on Tizen watches. Developed UI and custom features to suit smaller screen size.
- Delivered the product ahead of time and helped Message and Chat app teams with the commercialization for the Z1 and Z3 phones.

Unisys Global Services
Associate Engineer

Bengaluru, IND
Dec 2012 - Jun 2013

- Developed an Enterprise Application software written in C++, called AB Suite.

PROJECTS

- **Study Genie (2017):** Developed a web application on MERN stack to help students organize notes and create cheat sheets.
- **Project Music Mojo (2017):** Designed and developed a Python based music recommender that predicts user's mood based on the recent social media activities and can recommend a song accordingly. Libraries used: Gensim, Scikit, Numpy.
- **Movie Recommenders (2017):** Developed movie recommenders based on various vector and graph based algorithms in Python.
- **Smart Photo Classifier (2017):** Designed and developed a secure Google cloud application that uses Microsoft Cognitive Services APIs to detect faces on photos and classify them accordingly. Technology used: Java Servlets, JSP, Spring boot.
- **Auto Scaling Web App on Amazon Cloud (2017):** Designed and built an elastic application to calculate digits of Pi based on user input. Technologies used: AWS EC2, S3, and SQS, etc. Technology used: AWS Java SDK, Linux, Shell scripting.
- **Project Grade Book (2017):** Developed Java based REST APIs and clients to manage student's gradebook.
- **AES (2016):** Designed and developed a C++ based command line application that can encrypt/decrypt files using Rijndael algorithms. Protected the implementation from power analysis attack, timing attack and fault analysis attack.
- **Secure Banking System (2016):** Led a team of 5 to develop a banking application with security features like SSL/TLS handshake, OTP and captcha etc. Technologies used: Spring, Hibernate, JDBC, JSP, Spring Boot.
- **Wi-Fi Password Hack App (2015):** Developed an Android application to brute-force Wi-Fi access points on user-specified regex dictionary. Technologies used: Java, Android, Generex library.