

EDUCATION

San Diego State University

San Diego, CA
Master of Science
in Computer Science
August 2016 - August 2019

Visvesvaraya Technological University

Karnataka, India
Bachelor of Engineering
in Electronics & Communication
July 2010 - June 2014

MASTERS THESIS

Machine Learning Techniques for
finding similarity and origin of
language scripts

GRADUATE COURSEWORK

- iOS app development
- Android app development
- Advanced Web Development
- Human-Computer Interface
- Speech Processing
- Machine Learning

CERTIFICATIONS

- Certified Safe 4 Practitioner
- Algorithms Specialization
- Python data structures
- Advanced Certificate in Web & Mobile Application Development

TECHNICAL SKILLS

JavaScript: React, Node, jQuery

Java: Spring boot, Java swing

Web: HTML5, CSS3

Database: MySQL, SQLite

Messaging: Kafka, rabbit MQ

Microservices: Redis, Apigee, Okta

Unit Test: JUnit, jest

Mobile: Android and iOS SDK

Project Management: Agile

Cloud: PCF, AWS

Python: Tkinter, cx_Oracle, xlwt,
pydb, pickle, matplotlib, keras

Tools: Git, Jenkins, Splunk, STS,
Eclipse, Bitbucket, WordPress

WORK EXPERIENCE

Synchrony Financial / Software Engineer / June 2018 – present

- **Choreography:** Co-ordinating middleware of a distributed system
- Achieved millisecond application processing time utilizing Kafka and Rabbit MQ
- Leading the development of the user interface across four teams using React JS
- Creating designs and reusable components to build a responsive user interface
- Programmed access control and role management using SSO, spring-security
- Reduced rule configuration time by 80% with Open L tool implementation
- Utilizing microservice architecture on CI/CD basis in test-driven development
- **Technology:** JavaScript, React JS, PCF, Spring Boot, Redis, Rabbit MQ, MySQL, Maven, Bitbucket, Jenkins, Splunk, and Kafka

SDSU Research Foundation / Research Assistant / Feb 2019 – June 2019

- Upgraded CIBER official website with 508 compliance, and accessibility standards
- Administered 2-factor authentication, history logs, and other security features
- **Technology:** PHP, word press, google-authenticator

SDSU Research Foundation / Research Assistant / Feb 2017 – June 2018

- **Bio-Calorimeter:** A desktop application to control the system on a chip device
- Built and end to end software to aid the researchers collect data through reports
- Created conducive experimental conditions by controlling time cycles, chamber temperature to emulate desired environments
- **Technology:** Python, MySQL, multithreading, struct, and collection

Grapheton / Software Engineering Intern / Jan 2018 – June 2018

- Facilitated marketing by designing corporate and conference websites
- Enabled email triggers and report generation to consolidate paper submissions
- **Technology:** PHP, HTML 5, CSS 3, JavaScript, jQuery, responsive design and AJAX

HCL Technologies, Karnataka, India / Software Engineer / Nov 2015 - Aug 2016

- **PMO Automation:** Web portal to smoothen the performance of PMO activities
- Slashed operation times by 70% by designing and building the schema, UI pages
- **HCL Spot Award** For contribution to the automation web portal
- **Technology:** Java, JavaScript, Maven, MySQL, JSP, servlet, JDBC, and jQuery

UBS, Karnataka, India / Software Engineer / Sep 2014 - Nov 2015

- **FXOT-FXMM:** A desktop application to trade Forex derivatives
- Developed the add-on module, debugged, optimized the code based on review comments, and published performance reports

Technology: core java, vectors, hash map, swing API, XML, SVN and JIRA

ACADEMIC PROJECTS

Personal Expense Tracker: Build a mobile app to budget, analyze and monitor expenses on iOS and Android devices supporting 20 currencies

Technology: Java, Swift, firebase, multithreading, JSON, SQLite, Volley, Alamo fire

Speech Processing Networks: Experimented with multiple network architectures to recognize speech syllables achieving an efficiency of 98%

Technology: Tensor Board, LSTM, GRU, regularization, spectrograms, Gaussian mixture models