

SHREELAKSHMI ALUR

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EDUCATION

MASTER OF SCIENCE, COMPUTER SCIENCE

June 2019

University of Delaware - Newark, Delaware

- **Coursework:** Algorithm design and Analysis, Artificial Intelligence, Computer Graphics, Computer Networks, Software Engineering, Database Systems, Software Testing and Maintenance, Game Theory and Computer Vision

BACHELOR OF ENGINEERING, ELECTRICAL AND ELECTRONICS ENGINEERING

Jun 2015

SDMCET, India

- **Coursework:** Digital Signal Processing, Computer Aided Engineering Drawing, Network Analysis, Digital Electronics, Signals & Systems, Microcontrollers, Control System

SKILLS

Programming Languages: Java, Python, C, SQL, HTML-5

Operating Systems: Windows, Ubuntu, Mac OS, Android

Other Skills and Tools: Git, NumPy, JSON, JIRA, Firebase, JUnit, RESTful APIs, Wireshark, Mockito, Fabric, Omniture, OneSignal, AppsFlyer, MailChimp, Arduino, TCP/IP networking, FindBugs

WORK EXPERIENCE

SOFTWARE ENGINEER (ANDROID DEVELOPER) – Y MEDIA LABS – Bangalore, India

Jul 2015 – Jun 2017

- Implemented finger-print authentication for the mobile app 'Gamestop' using Android KeyStore system
- Worked in Agile environment
- Integrated Google Firebase for database storage, push notifications, user authentication and crash reporting
- Developed the app 'Primary' from scratch and implemented OneSignal for push notifications and AppsFlyer to track installations
- Developed the mobile app 'Intro to Letters' from scratch and built engaging animations with a teammate
- Facilitated event tracking in the mobile app by integrating tools like UrbanAirship and Omniture
- Worked on both functionality and UI/UX. Designed the UI for swipe, delete and edit functions
- Contributed to the yml-kit by developing easy to access methods which can be used by other Android developers.
 - Social Media Module: Implemented sign-in and share features for Facebook, Google, Instagram, LinkedIn and Twitter
 - Marshmallow permissions: Implemented permissions in run time for: Contacts, Camera, Microphone and Location
- Mentored a teammate, assigned tasks and verified the work
- Handled multiple projects simultaneously and prioritized them based on deadlines

WEB AND ANDROID DEVELOPMENT INTERN– Boredbees – Hubli, India

Jun 2014 - Jul 2014

- Developed and launched an app 'Know Your Vitamins' on Google Play
- Learned HTML-5 and designed a static web page

PROJECTS

ELEVATOR CONTROL SYSTEM

Oct 2017 - Dec 2017

- Designed an elevator simulator and control mechanism using Java Swing

STEREO MATCHING

Oct 2018 – Nov 2018

- Developed a stereo analysis system with feature-based, region-based and multiresolution matching using python

LIBRARY MANAGEMENT SYSTEM

Oct 2017 - Dec 2017

- Designed a database for a library management system using SQL using relational and non-relational data

ADVERTISING ROBOT

Apr 2014 - May 2014

- Designed and programmed a freely moving robot capable of obstacle detection using an Arduino Uno board

UNIT TESTING

Apr 2018 - May 2018

- Developed Junit tests based on input space partitioning, statement coverage and mutation coverage achieving a coverage of about 80%