

GIRISH RAMAN

625 West 1st Street, Apt 325, Tempe, Arizona, US - 85281

+1 480 570 6305 | girish.raman@asu.edu | linkedin.com/in/girishraman | github.com/rgirish | girishraman.me

EDUCATION

Master of Computer Science (MCS)

Arizona State University, Tempe, Arizona

Fall 2015 – Spring 2017 (Expected Graduation Date)

Cumulative Grade Point Average – 3.89 / 4.00

Bachelor of Engineering (B.E.) in Computer Science

Anna University, Chennai, India

2011-2015

Cumulative Grade Point Average – 8.32 / 10.00

WORK EXPERIENCE

Android Developer (Part-time), TBLR, Mary Lou Fulton Teachers College, ASU SkySong, Scottsdale, AZ **Sept 2015 – Nov 2015**

- Developed an Educational Review System 'eyeObserve' for Android involving dynamically made forms like Google Forms, video capture, upload and streaming from a Linux Server at DigitalOcean.
- Debugged and refurbished an application for Alzheimer's patients and a video library application – 'PT3 NETS'.

Android Developer (Part-time), Samskrut Technologies, Bangalore, India **Dec 2013 – Jun 2015**

- Designed and developed 3 commercial Android Software Systems in Android Studio, now being sold to clients from sectors including Retail, Sales, and Real Estate.
- Developed the front-end logic, designed the back-end data structure, developed the UI, wrote the server-side logic and scripts and managed the remote-database (MySQL, Parse and Firebase)
- Guided and supervised others involved the project in maintaining the systems.

LANGUAGES & SOFTWARE

Client-side: Android, Java, XML, C/C++, HTML/CSS, JS, Ajax | **Server-side:** PHP, Parse (MBaaS), Firebase | **Database:** MySQL, SQLite

VCS: Git, GitHub | **Frameworks** - Spring | **Software:** Android Studio, Eclipse, IntelliJ IDEA | **Others:** JSON | **Servers:** Linux, Windows.

TECHNICAL EXPERTISE (PROJECTS)

eyeObserve (Educational Review System for Android), TBLR **Sept 2015 – Present**

- Developed an Educational Review System for Android that allows teachers and instructors to be evaluated by coaches.
- Created a Dynamic Form Builder library for Android (like Google Forms) that exports forms in a JSON format.
- Developed the video-components of the system, to let the app capture, upload and stream videos from a Linux Server with PHP.
- Designed the UI, designed the database schema at Parse and have been testing the system for various use and misuse cases.

UnRealEstate (Virtual Reality System for virtual Architectural Tours on Android), Samskrut Tech. **Dec 2014 – Jun 2015**

- Designed and developed the UI for non-VR modules using XML and developed the front-end logic in Java.
- Added Google-Cardboard VR compatibility (360 Panoramic Images and Videos) using Rajawali and PanFrame libraries & OpenGL.
- Designed the data-structure and managed the back-end database on Parse.
- Developed the logic to utilize the Sensors on an Android device to determine its position in the 3D Space & implemented Text-to-Speech features for the system.

DineArt (Real-time Restaurant Management System for Android), Bachelor's Capstone **Jan 2015 – May 2015**

- Formed the business logic and developed the idea for a smart real-time restaurant management system. Constructed the core architecture of the real-time system and the functional logic behind its working.
- Developed a System of 7 inter-connected Android applications to automate activities inside a restaurant. Designed the UI and developed the front-end in Java/XML. [www.girishraman.me/dineart]
- Constructed the back-end data structure with Parse and implemented real-time capabilities of the system through Firebase.

ShowCommerce (Sales Engagement & Product Demo Platform for Android), Samskrut Tech. **Aug 2014 – Dec 2014**

- Developed the front end logic in Java, designed and developed the UI in XML.
- Designed the MySQL database structure and developed the server-side scripts in PHP.
- Utilized Parse (Mobile Backend as a Service) in setting up a no-SQL back-end database, Firebase (Real-time Server/Db) in implementing the real-time features of the system (real-time connection with TV), and SQLite for local database.
- Connected app to remote server for image downloads. Developed the logic to stream YouTube videos inside the app.

EzCheckIn (Event Management System for Android), Samskrut Tech. **Dec 2013 – Jun 2014**

- Designed the front end in Photoshop and developed it in XML. Developed the front-end logic in Java.
- Designed the data structure for a MySQL Database & developed the server side scripts in PHP, connecting to the MySQL db.
- Tested and Debugged 'Cardleadr', a complimentary application that works hand-in-hand with EzCheckIn.