GIRISH RAMAN

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EDUCATION

Master of Computer Science (MCS) in Information Assurance and Security
Arizona State University, Tempe, Arizona
Expected Graduation Date – Spring 2017 (Started Fall 2015)

Bachelor of Engineering (B.E.) in Computer Science
Anna University, Chennai, India
2011-2015
Cumulative Grade Point Average – 3.28 / 4.00

WORK EXPERIENCE

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: C, C++, Java, XML, HTML, CSS, JS, AJAX | **Server-side:** Parse (MBaaS), Firebase, PHP | **Database:** MySQL, SQLite, Parse
Software: Eclipse, Android Studio, NetBeans IDE, IntelliJ IDEA, Adobe Photoshop, InDesign | **Operating Systems:** Windows, Linux, OSX

TECHNICAL EXPERTISE (PROJECTS)

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 restaurant management system. Constructed the core architecture of the real-tome 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.
- Constructed the back-end data structure and set it up with Parse and implemented real-time capabilities of the system through Firebase. [www.girishraman.me/dineart]

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.

MANAGERIAL & LEADERSHIP SKILLS

- Co-Founded the '*Innovation Club*' in the CSE Department of Anna University (MNMJ Engg. College) – Coordinated all events & workshops and provided technical & managerial support for all projects developed under my aegis.   **Feb 2012 – May 2015**
- Co-Built '*Quill on Parchment*' – An Online Publication Start-up – Constructed the website www.quillonparchment.co.in and handled the users and the online article database – Presided over the events organized by the team.   **Jun 2014 – Jun 2015**
- Served as Event Head and Manager, Member- Core Decision Committee, Workshop Head, and Assistant Head for '*Cognit*', an annual technical symposium in Anna University (MNMJ Engg. College).   **Sept 2012 – Sept 2014**