Prajeeth Emanuel

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EDUCATION

IIIT Hyderabad - B.Tech in Computer Science and Engineering

2012 - 2016

EXPERIENCE

Qalaxia, Inc — JavaScript Engineer

July - 2016 - PRESENT

- Built an AI-driven question-and-answer site from scratch that creates a three-way match between students, educational content, and experts as a team of two along with my professor Vivekanand Vellanki
- Worked on REST API interface of Qalaxia Connect Stack
- Developed JavaScript & gulp modules, Python developer tools focusing on re-usability and efficiency
- Raised & fixed various issues on **GoogleChrome/lighthouse** & **loopj/jquery-tokeninput**

VMware, Inc. — Software Engineering Intern - Analytics Infrastructure

May 11, 2015 - July 31, 2015

- Worked on one of the middle tiers of VMware Integrated OpenStack
- Migrated late request calls in Horizon to use a new, simpler parallelisation scheme

Teaching Assistant

- Computer Programming (Monsoon 2014)
- Software Engineering (Monsoon 2015)

Admin - Open Source Developers Group

- A group of Free and Open Source Software(FOSS) enthusiasts (Monsoon 2015 – Spring 2016)

Web Admin and Organiser - Felicity Threads

- Felicity Threads is the annual technical festival of IIIT Hyderabad (November 2014 – February 2015)

PROJECTS

Match Prediction in Dota2 — *Spring 2015*
- **Prediction model using random decision forests**
- **Data collection using MongoDB & Steam Web API**

Interactive Android Emulator — *Monsoon 2014*
- **Implemented remote framebuffer (RFB) using data exposed via ADB**
- **Screenshot of current state of device is superimposed on interactive elements with ~50 FPS**
- **Actions (click/scroll/swipe) on device image in browser are transmitted back via ADB**

Website Stability Score — *Spring 2014*
- **Uses Selenium to load up a website under different user agents**
- **Generates a stability score following W3C and MDN CSS behaviour definitions**

MyReddit — *Monsoon 2013*
- **Created a website similar to reddit.com on Web2Py, allowing upvotes, downvotes, comments and posts**

TECHNICAL SKILLS

- Programming Languages: **Currently use JavaScript and Python. Previously C++**
- Database Systems: **Experienced with MySQL & MongoDB**
- Libraries & Frameworks: **jQuery, AngularJS, Node.js & Google App Engine**
- Version Control: **Git**