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SIDDESH PILLAI

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EMPLOYMENT

Research Assistant **Rochester Institute of Technology** **Fall 2015**

- Developed an android application, Vurawiga (funded by Grand Challenges Canada), an educator tool for medical professionals implemented in Rwanda with the support of United Nations and University of Rwanda
App URL: <http://geoapps64.main.ad.rit.edu/rwanda/ukuntu>

Software Engineer, Intern **Intuit Inc.** **Summer 2015**

DevOps team: Continuous Delivery Dashboard (CDD) Application

- Worked on scaling and adding new features to the backend 'Boxset Service' (Continuous Integration of micro services) and improved code standards using lambda expressions
- Created a role based access control utility library for CDD application as an extra security layer

Software Product Engineer, Intern **Esri Inc.** **Summer 2014 – Fall 2014**

Android Runtime Core team (Summer 2014), Qt Core team (Fall 2014)

- Developed smart compass, gesture control features for 'Maps App'
- Redesigned 'Samples App', a sandbox for ArcGIS Qt SDK

EDUCATION

Rochester, NY **Rochester Institute of Technology** **Fall 2013 – Current**

- M.S. in Computer Science; Expected graduation: May, 2016
Graduate Coursework: Parallel Computing, Computer Networks, Pervasive and Mobile Computing, Data Security and Privacy, Web Services and Service Oriented Architecture, Intelligent Systems, Big Data Analytics

India **Anna University** **Fall 2007 – Summer 2011**

- B.E. in Computer Science and Engineering; Graduated: Oct, 2011

PROJECTS

(Github: <https://github.com/sidd4698>)

- Deep Learning for Auto Content Recognition** (ongoing): Extract features of a song using acoustic fingerprint
- Deep Learning of Convolutional Neural Network on GPUs** (Sept, 2015 – Dec, 2015): Parallelized the training of deep neural network on Multi-GPU using CUDA and PJ2 library (<http://goo.gl/8eyu2n>)
- Distributed Computations** (Nov, 2015): Implemented heap sort on alphanumeric text from multiple files using map-reduce on a network of Raspberry Pi's with concurrency, load balancing and fault tolerance
- Smart Blinds Controller** (Sept, 2015): Developed an IOT application (Raspberry Pi) which adjusts blinds based on room temperature, light intensity (<http://sidd4698.github.io/SmartBlind/>)
- ISL App** (Sept, 2014 – Oct, 2015): Developed an android app for Indian Super League, a soccer league in India
- Smart Shuffle Stack** (April, 2015): Android wearable app which recommends songs based on the heart beat rate using wearable's heart rate monitor (<http://devpost.com/software/shufflestack>)
- Grubstake!** (Jan, 2015): A health & fitness android application to keep track of diet (<http://grubstake.in/>)

ACHIEVEMENTS

- Winner:** Intuit Intern Summit 2015 – Best App in 'Overall Journey through NEXT Loop Lean Start In' category
- Winner:** Brick Hack 2015 – Best Android hack awarded by Google
- Runner Up:** Google Summer of Apps 2015 for Sports and Fitness
- Runner Up:** Intel Connect & Enrich Android Challenge 2015
- World Top 30:** University Mobile Challenge 2014 by Applied Innovation Institute, UC Berkeley & GSMA

Languages and Technologies

Java, C++, SQL, Android, iOS, Qt, Elastic Search, Swift, Python, Parse, AWS(SNS,SQS,SES), Git, Node JS, CUDA