



WORK EXPERIENCE

Project Intern

Centre for Development of Advanced Computing (C-DAC)

Mumbai, India

01/2014 - 06/2015

- **Research Objective:** Improve performance of android mobile devices concerning with storage and battery which gets affected by applications with complex computations.
- **Analysis:** Worked with Android Apps for offloading computationally intense application packages containing smali files to a remote cloud infrastructure.
- **Results:**
 - o Implemented computational offloading by refactoring android apps using Java which involved identification and separation of packages containing smali files.
 - o Developed proxy for communication between the application components on the android device and the cloud.

RESEARCH

Data Analytics Researcher

University of Illinois, Springfield

- **Responsibility:** Worked as Data Analytics Researcher to perform analysis on Southern Illinois Area Pediatric health records.
- **Predictive Modeling:** Applied statistical and predictive modeling techniques to find significant patterns in the diagnosis and treatment of SIU data.
- **Statistical Computing:** Performed statistical analysis using R code to find specific correlations between patient's demographics, social status and health identifiers.
- **Algorithms\Tools:** R, SQL, Exploratory Data Analysis, Machine Learning, Data Mining Algorithms (Association rules, Linear regression, stochastic gradient descent).

SKILLS

Languages:

Proficient in R Programming, Java, C/C++, Bash
Experienced in Python, Scala, HTML, CSS

Relational Databases: MySQL, PostgreSQL, Oracle

NoSQL Databases: MongoDB, Riak, HBase, Neo4j

Frameworks: Apache Stack (Spark, Hadoop), Android SDK

Data Mining Tools: Weka 3.6

IDE: Eclipse, Atom, Visual Studio 2010, IntelliJ

Tools: Git, Curl

Operating Systems: Windows, Linux

EDUCATION

Master of Science - Computer Science

University of Illinois Springfield

Springfield, IL

08/2016 - 12/2017

Bachelor of Engineering - Computer Science

Cummins College of Engineering for Women

Pune, MH, India

08/2011 - 05/2015

VOLUNTEER

Computer Science Club at University of Illinois, Springfield (12/2016 - 12/2017)

Content Manager

Rotaract Club at University of Illinois, Springfield (05/2017 - 12/2017)

Public Relationship Manager

Cummins College of Engineering for Women, India (08/2012 - 08/2013)

Assistant Treasurer Secretary

ACHIEVEMENTS

Ranked 2nd at coding event "Pradnya" Organized by Pune Institute of Computer Technology, India.

Runner up for a non-technical project "mind-spark" Organized by College of Engineering Pune, India