NEHA SHARMA

Computer Science graduate experienced in Data Analysis and Software Engineering.

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EXPERIENCE

Project Intern

Centre for Development of Advanced Computing (C-DAC)   *Mumbai, India*   *01/2014 – 06/2015*

- Developed a tool to help improve performance of android mobile devices concerning with storage and battery which gets affected by applications with complex computations.
- Implemented computational offloading by refactoring android apps using Java which involved identification and separation of packages containing smali files.
- Worked with Android Apps for offloading computationally intense application packages containing smali files to a remote cloud infrastructure.
- Also, developed proxy for communication between the application parts on the android device and the cloud.

SKILLS

Languages: R Programming, Java, Python, C/C++, Bash, HTML, CSS, Scala

Relational Databases: MySQL, PostgreSQL, Oracle
NoSQL Databases: MongoDB, Riak, HBase, Neo4j
Frameworks: Apache Spark, Apache Hadoop, WordPress
Data Mining Tools: Weka 3.6
IDE: Eclipse, Atom, Visual Studio 2010, Intellij
Version Control Tool: Git, Github
Operating Systems: Windows, Linux

RESEARCH

Data Analysis Research on SIU Hospital Data   *(University of Illinois, Springfield)*

- Worked as Data Analytics Research Worker to perform analysis on Southern Illinois Area Pediatric health records.
- Applied statistical and predictive modeling techniques to find significant patterns in the diagnosis and treatment of SIU data.
- Performed statistical analysis using R code to find specific correlations between patient's demographics, social status and health identifiers.
- Programming languages\Techniques\Tools: R, SQL, Exploratory Data Analysis, Machine Learning, Data Mining Algorithms.

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*

ORGANIZATIONS

Computer Science Club @ UIS (12/2016 – 12/2017)
Content Manager
Rotaract Club @ UIS (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*