

Suchith Arodi

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SUMMARY

An experienced software developer with exceptional knowledge in design and development of performance-oriented software. Seeking Fulltime opportunities in software development (Available from December 2017).

WORK EXPERIENCE

PatientKeeper – *Software Engineer Intern*, May 2017 – August 2017, Boston, MA

- Designed and developed a containerized platform for PatientKeeper software using Docker.
- Developed components for automation framework to accommodate for a new feature.

Soleo Communications – *Software Engineer Intern*, May 2016 – August 2016, Rochester, NY

- Designed and developed components for Local Search API to remove duplicate Sponsored/Organic advertisements and Business Listings for dynamic Search Queries.
- Developed components for search normalization platform that returns business listings for dynamic queries.

Sonus Networks - *Software Engineer*, July 2013 – July 2015, Bangalore, India

- Worked on Voice over Internet Protocol (VoIP) such as Session Initiation Protocol (**SIP**), Real-time Transport Protocol (RTP), Session Description Protocol (SDP) and others.
- Developed features on Sonus Networks Product Line Session Border Controller and GSX Media Gateway.
- Involved in requirements gathering, designing algorithms, implementation, and testing of the features.

EDUCATION

Rochester Institute of Technology, Rochester, NY

Master of Science, Computer Science, **CGPA** – 3.36/4.00, December 2017 (Expected)

Coursework: Advanced Java Programming | Foundation of Algorithms | Problem solving using Python | Foundation of Computer Networks | Cryptography | Distributed Systems | Big Data | Big Data Analytics | Cognitive Computing

The National Institute of Engineering, Mysore, India

Bachelors of Engineering, Computer Science, **CGPA** – 9.07/10.00, May 2013

TECHNICAL SKILLS

Languages: Java, Python, C, C++, JavaScript, XML

Database Technologies: MongoDB, Neo4J, R, WEKA, MySQL

Platforms: Debian and Red Hat Linux, Solaris, pSOS, Android, Windows

Configuration Management Tools: JIRA, Git, CVS, IBM Rational ClearCase, and ClearQuest

Frameworks/Libraries: ACE, C POSIX Library, JDBC, Multithreading, Boost

Debugging tools: GDB, Valgrind, DDMS, Logcat

ACADEMIC PROJECTS

Securing data using Blockchain technology (Ongoing research) – Developed an Access Control System using Smart Contracts in the IBM Hyperledger Fabric and Ethereum Blockchain platforms.

Cloud System using Docker - Developed a cloud system that creates Virtual Machines (VM) using Docker containers with features such as load balancing, fault tolerance, authentication, and security. Developed Wikipedia like application which used this cloud system with MongoDB database.

Query response application using IBM Watson on Bluemix – Designed a question-answering system for RIT Housing Operations. Users questions related to RIT on-campus housing are automatically answered using IBM Watson's Retrieve and Rank service with Apache Solr.

Search Application using MongoDB - Developed Google-like search application using Java and MongoDB. MongoDB server is hosted on Amazon AWS cloud.

Reliable Data Transfer Protocol using UDP – TCP like reliable data transfer protocol was implemented by adding features like handshaking, reliable delivery, timeouts and congestion control using TCP Tahoe and Reno to UDP.

Digital Shopping Cart - Android application which captures the barcode of a product through the mobile camera and maintains a digital cart for shopping. Bills can be paid from the app.

HONORS AND ACHIEVEMENTS

- Placed **second** in **Coding Competition** and received Certificate of Achievement from Director of Sonus Networks.
- Recipient of Graduate merit scholarship at Rochester Institute of Technology.
- Organized College **Cricket Tournament** NIE Premier League and received Certificate of Accomplishment.