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NANDAKISHORE KRISHNA

EDUCATION

Buffalo, NY   **State University of New York at Buffalo**   **Fall 2015 – June 2017**

- M.S. in Computer science (1st year). CGPA: 3.5/4
- Graduate Coursework: Algorithms; Information Retrieval; Computer Security; Machine Learning.

Bangalore, India   **PES Institute of Technology**   **Aug 2008 – July 2012**

- B.E. in Computer science. CGPA: 8.21/10
- Undergraduate Coursework: Algorithms and data structures; Operating Systems; Principles of programming languages; Object Oriented Modeling and Design; Finite automata and formal languages.

EMPLOYMENT

Member of Technical Staff   **Oracle India Pvt. Ltd (IDC)**   **Dec 2014 to July 2015**

- Involved in the development of the UI modules for administration and self-service for Oracle Mobile Security Suite which is part of Oracle Identity Management. The challenge was to use ADF and build UI modules in an MVC format, to ensure loose coupling with REST backend and modularity.
- Involved in the migration of the source code from Oracle proprietary version control systems to a distributed Git based system called Oracle ALM.

Samsung R&D Institute India – Bangalore

Software Engineer   **(SRI-B)**   **May 2013 to November 2014**

- Improved performance and reduced static code analysis defects by refactoring SOC camera sensor driver and camera HAL code base in android linux for Galaxy range of phones.
- Improved productivity of the team by developing CTS application, a port of the desktop CTS suite – easing sanity testing.
- Improved productivity of the team by writing scripts to measure camera performance – resulted in less number of performance bugs in the testing cycle.
- **Samsung spot award:** for my contribution towards implementing "I2C burst write" feature in SOC sensor driver for better camera performance.

R&D Engineer   **Airvana Networks India Pvt Ltd**   **Aug 2012 to Apr 2013**

- Improved Femtocell simulator performance by memory optimizations, migrating to JAXB from Castor, optimum thread pool size. Etc.
- Involved in the development of Femtocell Service Manager, a TR-069 protocol based ACS.

ACADEMIC PROJECTS

- **Tweet search** – evaluation and tuning of search models in information retrieval, such as Vector space models, Boolean retrieval, Probabilistic models, Language models, etc., using Tweets as the data. Java, Solr.
- **Product search by query expansion** (2012). A single web-app to search for any product across multiple e-commerce sites such as flipkart, infibeam, etc. Java, Solr, Nutch, XML, XSLT, HTML, Javascript.
- **Intelligent data retrieval for alumni network** (2012). A web-app to search and suggest suitable candidates among current students for jobs posted by the alumni. Java, Servlets, Ajax, XML, python.
- **mTali** (2011). A dice based game which is similar to board game called yacht. This was the first application from Nokia Student Developer forum to be published in Nokia Ovi Store and the number of downloads crossed 10000 in the first month (http://store.ovi.com/content/178721) after release. Java, J2ME.

Languages and Technologies

- Java, C, XML, HTML, javascript, python.
- Eclipse, Jdeveloper, ADF, JSF, J2EE, Ant, JAXB, Linux, Git, Hudson, Jira, Solr.