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NIKHIL LOHIA

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nikhillohia.me

OBJECTIVE: Computer Science graduate with a **strong grasp of algorithms and data structure fundamentals**; looking for full time opportunities in Software Development and Engineering. Experienced with full stack software development supporting and maintaining application programs.

SKILLS

Programming:	JAVA, Python, C/C++, JavaScript, HTML, CSS, SQL, Shell Scripting, Linux Administration
TOOLS/Frameworks:	Hadoop, HBASE, PIG, SPARK, Android, JSON, AWS, EC2, D3, Postgres, Bootstrap, REST, GIT, Perforce
Programming Paradigms:	Object Oriented Design, Test Driven Development, Agile and Scrum Methodologies, Version Control
Soft Skills:	Functional Expert, Innovative, Self-starter, Team player, Detail Oriented, Strong problem-solving skills

EXPERIENCE

Software Engineering Intern	FIDESSA CORPORATION	June 2017 – August 2017
<ul style="list-style-type: none">Implemented API for data-access layer to process data for trading platforms.Design and coding of internal tools, database query generation and data extraction/manipulation for better application analytics and reduced bugs.		
Software Engineer – Big Data	MOBILEUM	April 2015 – June 2016
<ul style="list-style-type: none">Developed robust, BIG DATA based solutions to solve complex business problems using HADOOP, PIG etc. and automated them using OOZIE.Research, design, and implementation of scalable applications for information identification, fraud detection, analysis, and retrieval of telecom subscribers using MAP REDUCE programming paradigms.Saved time by standardizing and optimizing the existing build procedure to drive maximum performance using PM Ease and JENKINS.Contributed to development of Travel Prediction and Persona Classification jobs which campaigned international users before the start of travel which resulted in increase of revenue for the telecom operators.Created a generic range reader, that provides an abstract interface to read all the associated values within a particular range of primitives.		
Software Engineer	SAMSUNG RESEARCH INSTITUTE	June 2013 – Feb 2015
<ul style="list-style-type: none">Contributed software engineering expertise in the development of products through the software life-cycle, from requirements definition, through successful deployment in various smart-phones, tablets and wearable devices.Engineered proof of concept on Pen-Window feature which was implemented in various SAMSUNG flagship devices through ANDROID application framework, and also re-modelled its HELP GUI.Tweaking app-entry animations, checking for memory leaks and reducing resource usage which boosted performance of low end smart-phones by 15%.		

EDUCATION

Master of Science – Computer Science <i>Arizona State University, Tempe, AZ</i>	Expected Graduation: December 2017 GPA – 3.64/4.00
Bachelor of Technology – Computer Science & Engineering <i>HBTU Kanpur, India</i>	May 2013 GPA – 7.9/10.0

PROJECTS

- EXCEL RECORD READER** [<https://github.com/nikoo28/ExcelRecordReader>]
Created a map reduce input format to read Excel files from **HDFS for HADOOP** using **Apache POI framework**.
- GEO-SPATIAL DATA ANALYSIS USING GEO-SPARK** [<https://github.com/nikoo28/CSE512/tree/master/Project>]
Performed Geo-spatial analysis queries like **indexing, classification in a distributed database system** for Geo-spatial points of interests using **Geo-spark and SCALA**.
- DATA VISUALIZATION AND ANALYTICS** [<https://github.com/nikoo28/visualizingTeamComparison>]
Implemented a visualization system to formulate possible latent causes affecting the outcome of a game using **D3 and JavaScript**.
- CONFIGURATION FILE PARSER** [<https://github.com/nikoo28/ConfigurationFileParser>]
The library reads structured configuration data, infer value types, and make this information available via the included interfaces. Developed using **MAVEN and JAVA**.
- STUDY ALGORITHMS ANDROID APP** [play.google.com/store/apps/details?id=com.nikoo28.studyalgorithms]
Built an APP for my personal website with **over 50,000 downloads** which presents clear and lucid solutions to some of the most fundamental algorithmic problems. **Technology stack used: SQL, WordPress, JSON, REST and ANDROID**.

ACTIVITIES

- Active contributor on Stack Overflow
- Participated in various Hackathons
- Open source lover
- Freelancer
- Organized technical events in school
- Design freak