

OBJECTIVE: Computer Science graduate with a focus on Big Data and Software Engineering having a **strong grasp of algorithms and data structure fundamentals**; looking for full time opportunities. Experienced with full stack software development, RESTful APIs and performance engineering.

SKILLS

Programming:	JAVA, Python, C/C++, JavaScript, HTML, CSS, SQL, Bash
TOOLS/Frameworks:	Hadoop, HBASE, Pig, Spark, Android, AWS, EC2, D3, Postgres, Bootstrap, REST, GIT, Perforce, Jenkins
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">Created API for data-access layer to process data for trading platforms and finding all the group trades and export jobs.Design and coding of internal tools, database query generation and data manipulation for better application analytics. Automated the process by creating a cron job that would run weekly to update the monitoring server.		
Software Engineer – Big Data	MOBILEUM	April 2015 – June 2016
<ul style="list-style-type: none">Developed data models for over 10+ modules, to solve complex business problems using Hadoop, Pig etc. and automated them using Oozie.Implemented end to end system for information identification and fraud detection of telecom subscribers using map reduce programming paradigms in a database containing over 70 million records.Optimized the existing build procedure to drive maximum performance using PM Ease and Jenkins and saved 20% of each build time.Development of Travel Prediction and Persona Classification jobs which campaigned over 10 million international users before the start of travel resulting in increase of revenue for 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">Resolved and fixed critical Android application framework issues throughout 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 to enhance the overall user experience.Worked on 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]
<ul style="list-style-type: none">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]
<ul style="list-style-type: none">Determined top 50 pick up locations of NYC Yellow Cab from over a billion records using the Getis-Ord statistic for geo-spatial data.Performed indexing and classification in a distributed database system using 2 map reduce phases. Technologies used: Geo-Spark and Scala.
DATA VISUALIZATION AND ANALYTICS [https://github.com/nikoo28/visualizingTeamComparison]
<ul style="list-style-type: none">Analysed data of all the ODI cricket matches over the last 10 years and found out the relevant insights which led to winning a game.Implemented an interactive visualization system using D3 and Javascript to intuitively formulate latent causes affecting the outcome
CONFIGURATION FILE PARSER [https://github.com/nikoo28/ConfigurationFileParser]
<ul style="list-style-type: none">Created an open source library that reads structured INI configuration data, using Maven and JAVA.Developed functionality to automatically infer data types(strings/lists/boolean/numbers) and make it available via the included interfaces.
STUDY ALGORITHMS ANDROID APP [play.google.com/store/apps/details?id=com.nikoo28.studyalgorithms]
<ul style="list-style-type: none">Built an APP with over 50,000 downloads for my personal website which presents clear and lucid solutions to some of the most fundamental algorithmic problems. Technology stack used: SQL, WordPress, JSON, REST and ANDROID.
RESTFUL MESSENGER [https://github.com/nikoo28/RESTfulMessenger]
<ul style="list-style-type: none">Created a basic REST API application for a social messenger using JAX-RS, Jersey and deployed them on a Glassfish server.Added support to upload files, GET/POST/PUT methods for messages and profiles in a JSON file format.