

EDUCATION

Master of Computer Science | ARIZONA STATE UNIVERSITY

(GPA : 3.64 / 4) Expected May 2018

Relevant Courses : Foundations of Algorithms, Multimedia and Web Databases, Distributed Database Systems, Data Visualisation, Data Mining, Artificial Intelligence

Bachelor of Technology, Computer Science & Engineering | HBTI Kanpur

(GPA : 3.6 / 4) May 2013

LANGUAGES & TECHNOLOGIES

<u>Languages:</u>	JAVA, C, HTML, Python, JAVASCRIPT, XML, SQL, PIG
<u>Platforms and Frameworks:</u>	HADOOP, GIT, Maven, Perforce, Android SDK, HBASE, HIVE, Linux and Cygwin
<u>Technologies:</u>	D3, JQuery, JavaScript, PHP, Agile methodologies, Appium test automation framework
<u>Software:</u>	IntelliJ, Eclipse, Adobe Photoshop, Windows, Linux and MAC OS, MATLAB, Visual Studio

PROJECTS

- **EXCEL RECORD READER :** Created a map reduce input format that can read excel files using Hadoop.
Git Hub link: <https://github.com/nikoo28/ExcelRecordReader>
- **WEBSITE :** Developed and designed a website which presents clear and lucid solutions to some of the most intricate problems using SQL, JAVASCRIPT, WORDPRESS, HTML. Link : <http://www.studyalgorithms.com>
- **ANDROID APPLICATION :** Developed and designed an android application with over 50 thousand downloads for 'Study Algorithms'. Technologies used were OPENSIFT, ANDROID ADT and JAVA. Link : <http://bit.ly/1u6TXez>
- **VIDEO SIMILARITY AND INDEXING TOOL :** Developed an application that computes the similarity between different videos, based on color, SIFT features and motion, and reduces dimensionality of the vector space using PCA and K-means clustering.
- **GEOSPATIAL DATA ANALYSIS USING GEOSPARK:** Performed geospatial analysis queries like indexing, classification of geospatial points of interests using Geospark and Scala.
- **VISUALIZATION OF CRICKET DATA:** Formulate possible latent causes affecting the outcome of a game and performance of a player by visualizing the data using D3 and related technologies.
- **PROFILE MANAGER :** Created a student database for colleges which works upon face recognition system. The project used OpenCV API and the concept of Eigen faces to train, update and predict a face.

EXPERIENCE

Software Developer	MOBILEUM	April 2015 – June 2016
Roaming Analytics (MAP-REDUCE PIG HADOOP HIVE OOZIE HBASE BIG DATA)		
<ul style="list-style-type: none">• Implemented a functionality to determine the payment plan of a subscriber (prepaid/post-paid).• Contributed a feature to determine the Roaming Pack of a subscriber for a particular trip in a particular country and created a new OOZIE task to automate the process.• Collaborated to standardize the Quickbuild server (PM Ease) to effectively manage the build procedure.• Determined the persona information, trip weekend information, travel stage and DND status for a subscriber.• Created a generic range reader, that provides an abstract interface to read all the associated values with a particular range of primitives.		
Software Engineer	SAMSUNG RESEARCH INSTITUTE	June 2013 – Feb 2015
Android Application Framework (ANDROID SDK PERFORCE OPENGROK ECLIPSE ADT)		
<ul style="list-style-type: none">• Programmed on Pen Window feature implemented in SAMSUNG flagship devices at HQ, South Korea.• Remodelled the HELP GUI of the Multi-window feature in Samsung mobiles.• Resolved and rectified critical issues related to the application framework module reported during the product development lifecycle in various smartphones, tablets and wearable devices.• Boosted the performance of low end phones by tweaking app entry animations, checking for memory leaks and reducing the frame refresh rate.		