

## 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, AWS, Google Cloud Platform
<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

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