

KIRAN KOREY

9539 – G, University Terrace Drive, Charlotte, NC – 28262 Tel: +1 609-721-4811

<https://koreykirangithub.io/> | <https://www.linkedin.com/in/koreykirangithub.io/> | kirankorey133@gmail.com, kkorey@uncc.edu

EDUCATION:

University of North Carolina at Charlotte, Master of Science in Computer Science.

(GPA: 3.9/4)

May 2019

Coursework: Machine Learning, Natural Language Processing, Intelligent Systems, Cloud Computing for Data Analysis, Algorithms and Data Structures, Mobile Application Development, Software System design & implementation.

B V Bhoomaraddi College of Engg & Technology, Bachelor of Information Science.

(GPA: 3.6/4)

2011-2015

Coursework: Operating Systems, Database Management Systems, Software Engineering, Computer Networks, Compiler design, Data Mining, Design & Analysis of Algorithms, UNIX, Information Security, Cloud computing, Business Intelligence.

TECHNICAL SKILLS:

- Languages & Frameworks: **Java, Android**, Python, C, C++, PHP, **JavaScript, Node JS**, HTML, CSS, MEAN/MERN, **Angular, React**
- Database: MySQL, Oracle 10g, SQL LITE, MongoDB
- Tools/IDEs: **Jenkins, Jira, Git**, Eclipse, WebStorm, NetBeans, Android Studio, Code Blocks, Visual Studio code

PROFESSIONAL EXPERIENCE:

Graduate Software Engineer

April 2018 - Present

Bio-informatics, UNCC

Java, OSGI, Webservices, AWS, Bitbucket Pipelines, Docker

- Developed a **Java** based desktop **OSGI** application which is used by bioinformaticians for analyzing and comparing genomes.
- Involved in entire **SDLC** activities of the project, including requirement gathering, analysis, design and development and testing and participated in the daily stand-up, Preplanning and Retro meetings as a part of **Agile and SCRUM methodologies**.
- Wrote build scripts using **Maven** and **Bitbucket Pipelines** to ease the process of managing CI/CD.

Senior Software Engineer

Aug 2015 – Dec 2017

SONY India Software Centre Pvt Ltd

Java, Spring, Hibernate, AngularJS, NodeJS, MySQL, Jenkins,

Vidispine, AWS (EC2, S3, Lambda, SNS, SQS)

- Worked as **Full Stack developer** for web application in an agile based team.
- Implemented **Proxy API Node Server** for securing the **RESTful** services.
- Developed **REST API's** in Spring MVC pattern which were consumed by the different client applications.
- Extensively used core java concepts like **Collections Framework, and Exception Handling, I/O System, JDBC, Generics**.
- Developed rich UI for client applications using **HTML5, CSS3, JavaScript, and AngularJS** for improved customer experience.
- Delved into the Entity classes mapped to **Hibernate** and redesigned to improve the query execution time for faster search results.
- Designed and developed a separate **spring-boot** application for analyzing media processed by the main application which helped in analyzing user usage statistics.

COURSE PROJECTS:

PageRank on Wikipedia:

Java, Hadoop MapReduce

Computed PageRank of hyperlinked Wikipedia documents by implementing **PageRank** algorithm to calculate their scores which served as an indicator of the importance of the page.

Search Engine using Term Frequency-Inverse Document Frequency (TF-IDF):

Java, Hadoop MapReduce

Performed **Searching** and **Ranking** of documents based on **TF-IDF** scores and presented the relevant documents with their relevance score.

Review Rating Prediction

Python, Spark, NLTK, AWS EMR Cluster

A system to predict the rating of the hotels based on the customer reviews using the **Naïve Bayes** and **KNN** classification methods which were implemented in distributed way using spark.

Automation of Physics and Chemistry Labs:

Java, MySQL, Android

A system which has digitized carrying out of lab experiments. The system is an **Android™** application which is installed on the tablets provided to the students of the BVB College and is presently being used by first year students of BVBCET. It was started as **Go-Green Initiative** which has helped both students and lectures in digitalizing the process hence saved around **0.15 Million** papers annually.

Employee Appraisal Management System (Web App + Outlook Plugin):

Java, Spring, Hibernate, MySQL, C#, Angular

Developed a system to ease the process of employee appraisal, to be used by managers. This was developed as part of a coding challenge (**Code Premier League**) in time frame of 24hrs. An outlook plugin was also developed to integrate the system with the mailing process.

CERTIFICATIONS:

- Oracle Certified Associate, JAVA SE 8 Programmer.
- AWS Certified Solutions Architect – Associate.

AWARDS:

- Received **Best Performer** and **Young Achiever of the Year** awards in **SONY India Software Centre Pvt Ltd**.