Himanshu Kriplani

linkedin.com/in/himanshu-kriplani | github.com/Himanshk96 | kriplani@usc.edu | Los Angeles, CA | (213) 378-9578

EDUCATION

University of Southern California   **Expected May 2021**
Master's in Computer Science   **GPA:3.6/4.0**
Courses: Algorithms, Web Technologies, Machine learning, Database Systems, Data Mining, Applied NLP

Ganpat University   **April 2019**
Bachelor of technology, Computer science with specialization in Big Data and Analytics.   **GPA:9.36/10**
Courses: Big data and analytics, Software Engineering, OOP and Functional Programming, Business Intelligence, NoSQL Databases

TECHNICAL SKILLS

- **Programming languages:** JavaScript, Python, C++, Java, Scala
- **Databases:** MongoDB, DynamoDB, Cassandra, HBase, SQL
- **Web Tech:** Angular, React, Node.js, Express.js, Cloud Computing (AWS and Oracle), Git
- **Big Data Tech:** MapReduce, Spark, MLlib, Hive, Pig

PROFESSIONAL EXPERIENCE

Software Engineer Intern, Norton LifeLock (Los Angeles, USA)   **October 2020-Present**
- Building performance analytics tool to compare webpages in isolated and non-isolated versions.
- Automated the build and the analytics using docker in AWS ECS and Elastic search with Kibana.

Software Engineer Intern, SuperWorld Inc. (Los Angeles, USA)   **July 2020-August 2020**
- Built a video conferencing app using Zoom SDK and integrated it with a customized social media app
- Built multiple Restful APIs to interact with social media web-app using MERN stack.

Graduate Research Assistant, Minerva Lab, USC (Los Angeles, USA)   **December 2019-May 2020**
- Cleaned and Analyzed startup pitches and developed automated pipeline for inference and statistics.
- Extracted categories of the business by applying topic modelling algorithm (LDA) which reduced the effort to manually identify startup categories.

Software Engineer Intern, Embibe (Reliance Industries) (Bengaluru, India)   **December 2018-May 2019**
- Automated scripts for data extraction (SQL) and cleaning which saved time by almost 50%.
- Wrote NLP utility library adopted by whole data science team.
- Collaborated with smart tagging team and implemented image classification based on CNN and Resnet architectures.
- Implemented text classification using ULMFiT improving the accuracy by 15%.

PROJECTS

Portfolio Management and Dashboard | Angular, Nodejs
- Used Tiingo, Newsapi.org and Search APIs for the backend built using NodeJS and Express
- Built a dashboard using Angular where users can add the amount of stocks purchased at a live rate, track its progress using a watchlist and look into News, Summary and interactive Charts by HighCharts API.

COVID-19 live tracker | React (Link)
- Built a real-time COVID-19 tracker using React to call an open source API.
- Visualized infected, deaths and recovered number of cases using Charts and material UI library

Market Basket analysis and Recommendation using Spark | Python, Spark
- Programmed several algorithms like Apriori, LSH using Spark.
- Used MLlib for model based collaborative filtering (CF). Also, build item-based CF models for recommendation.

OneGate (A social network for developers) | React, Node.js
- Merged all the KPI's of Stackoverflow and github into a single profile-based web-app build using React and was awarded in regional Facebook's HackDay.

Product Recommendation Chatbot | Python, Flask, Dialogflow
- Built a flask backend to support a Chatbot built using Dialogflow
- Built a recommendation system using LightFM library to recommend products based on CF

LifeBlood (A blood donor's app) | PHP, Mysql
- Implemented a PHP based web-app with Mysql DB to connect blood donors and seekers.
- Designed a search algorithm to find relevant donors.

LEADERSHIP AND INVOLVEMENT

- **Second Runners' Up "Viterbi Sustainathon 2020", USC**
- **Coordinated Science and Tech Club** by facilitating student activities at Ganpat University (2016-2019).
- **Director General Student Achievement Award (2018) [Ganpat University]**

CERTIFICATIONS

- Oracle Cloud Infrastructure Certified Foundations Associate (2020)
- Oracle Cloud Infrastructure Certified Developer Associate (2020)