

Himanshu Kriplani

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

EDUCATION

University of Southern California

Master's in Computer Science

Courses: Algorithms, Web Technologies, Machine learning, Database Systems, Data Mining, Applied NLP, Information Retrieval

Expected May 2021

GPA: 3.6/4.0

Ganpat University

Bachelor of Technology, Computer science with specialization in Big Data and Analytics.

April 2019

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, Azure and Oracle), Git
- **Miscellaneous Tech:** MapReduce, Spark, MLlib, Hive, Pig, Azure DevOps, Jenkins

PROFESSIONAL EXPERIENCE

Software Engineer Intern, Norton LifeLock (Los Angeles, USA)

October 2020-Present

- Built analytics tool to measure performance of the web-isolation product in isolated and the original version.
- Developed analytics dashboard tracking 5K+ monthly active users using docker in AWS (ECS, Elasticsearch, Kibana).
- Worked with the DevOps team building build, test and release pipelines in Azure DevOps for the Norton Mobile App having 100K+ monthly active users globally.
- Improved Feedback feature of the Norton Android App using Kotlin to prompt feedback on various conditions.

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 and also helped in identifying unrecognized business domains.
- Used filings of 9000+ public companies to extract company details to train the LDA model.

Software Engineer Intern, Embibe (Reliance Industries) (Bengaluru, India)

December 2018-May 2019

- Automated scripts for data extraction (SQL) and cleaning which saved time closer to 50%.
- Wrote NLP utility library adopted by entire 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 ([Link](#))

- Consumed Tiingo, Newsapi.org and Autosuggest APIs for the backend built using NodeJS and Express
- Built a dashboard using Angular where users can add the number of stocks purchased at a live rate, track progress using a watchlist and look into News, Summary and Interactive Charts (HighCharts API).

COVID-19 live tracker | React ([Link](#))

- Built a real-time COVID-19 tracker using React to consume 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 Apriori and LSH algorithms using Spark on yelp dataset containing 8M+ records.
- Used MLlib for model based collaborative filtering (CF). Also, built item-based CF models for recommendation.

Product Recommendation Chatbot | Python, Flask, Dialogflow

- Built a flask backend to support a Chatbot built using Dialogflow on a dataset containing 20M+ items.
- Developed a recommendation system using LightFM library to recommend products based on CF

LifeBlood (A blood donor's app) | PHP, Mysql ([Link](#))

- Implemented a PHP based web-app with Mysql DB to connect blood donors with seekers.
- Designed a search algorithm to use multiple user behavioral attributes 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)