**Kartik Mathur**  
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**EDUCATION  
University of Southern California,** Viterbi School of Engineering**,** Los Angeles, CA Graduation: May 2020

*Bachelor of Science in Computer Science & Business Administration*   
**Honors:** Deans List USC  
**Relevant Coursework:** Artificial Intelligence**,** Object Oriented design, Data structures and programming, Software Development, Software Engineering, Algorithms, Business Statistics, Database Design

**WORK EXPERIENCE  
Instasafe- Software Development Intern June 2018 -August 2018**

* Developed a website that displayed user data and increased security awareness for 10% of daily users
* Analyzed and visualized security data and helped customers understand their application security
* Trained in Python, Java and JavaScript
* Designed a force graph that displayed relationships between 50 devices and gateways on the network

**Fastah - Software Engineering Intern June 2017 -August 2017**

* Partnered with Uber to raise mobile network awareness and accelerate the growth of ride share market.
* Learned SQL and working in a Unix environment.
* Designed a twitter bot to broadcast internet weather to inform consumers about daily internet speed trends.

**Teacher’s Assistant- Introduction to Python- USC January 2018-May 2018**

* Conducted and designed course, constructed tests, prepared materials, graded and assisted students with assignments.
* Achieved further learning of optimization techniques in Python and understood usage of data in decision making.
* Collaborated with Graduate and PhD students in a workplace setting.

**PROJECTS**

**Facebook Help Center** Fall 2018  
*Data Analyst*

* Collaborated with Facebook to research market penetration and mobile use in developing countries.
* Analyzed data from over 30 academic databases to discern key UI/UX solutions using R and Python.
* Successfully presented our solutions and recommendations to Facebook researchers and developers.

**Uber Forums Scrapping Project** Spring 2019-Current  
*Web Scrapping*

* Extracted data from UberPeople.net and collected messages, user details and thread information using Python.
* Analyzed the data to detect trends between user score and usage of certain keywords.
* Detected patterns from the User information like location and car preference and did a sentiment analysis for user messages.

**Caption Searcher** Summer 2018  
*Full-Stack Developer*

* Developed an application like Shazam for YouTube, which filters user searches to only 50 videos at a time.
* Empowered users with the ability to search for videos without the need for a title or description.
* Learned about HTTP protocols, and advanced JavaScript techniques.

**Reddit Comments Analyzer** Summer 2018  
*Front-End Developer*

* Invented a React application that helps users identify popular keywords for highly rated comments.
* Contributed to the current Reddit API and open source community, with over 200 lines of code.
* Gained further understanding of frameworks like JavaScript and Python.

**SKILLS & INTERESTSLanguages:** English, Hindi, French  
**Programming Languages:** Java, C/C++, Python, R, SQL, Unix Shell  
**Web Technologies:** HTML, CSS, JavaScript, React