**Kartik Mathur**  
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**EDUCATION-  
University of Southern California,** Viterbi School of Engineering**,** Los Angeles, CA Graduation: Fall 2020Bachelor of Science - Computer Science & Business Administration. Major GPA: 3.4 **EXPERIENCE  
Instasafe- Software Development Intern August 2018**

* Worked for Instasafe a cloud delivered cybersecurity service, on their website and their consumer data analytics.
* Analyzed and visualized security data and helped customers understand their applications security and accessibility.
* Learned and trained in Angular, React, PHP, D3 and Python.
* Designed a force graph that shows points where a serious threat can emerge from, in addition, the product helps users build smart security protocols which can shut down any attack at an earlier stage.

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

* Worked for Fastah a device latency measurement software company and worked on their website and mobile app division
* Raised mobile network awareness, managed growth of ride market and collaborated with companies Uber, Ola.
* Learned and trained in JavaScript, CSS, HTML and working in a Linux environment.
* Designed a twitter bot to broadcast internet weather to better inform consumers about daily data with Linux commands.

**Teacher’s Assistant- Data Science and Operations- USC 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**

* Evaluated existing literature to help Facebook understand social media behavior and improve the website.
* Learned more about the role of literature in a software development setting and improved on testing and documentation skills
* Identified key features to be implemented for the site and analyzed the impact of current web-based communication.

**Caption Searcher**

* Developed an application like Shazam for YouTube Videos, which helps users search for songs and videos based on captions
* Learned about React, and advanced JavaScript techniques along with version control, DevOps and Git.

**Reddit Comments Analysis**

* Invented an open-source React application capable of reading through comments on a reddit post and predict the ‘like’ count
* Used the reddit API, JavaScript and Python data analysis techniques to create a Data based Front-End Application

**Classroom Assignment Project**

* Used Python to design an application to help pair classrooms and students while applying optimization concepts.
* Improved on knowledge of concepts of probability and decision making.

**Roommate Management Portal**

* Produced a web service application and helped college students assign house chores and split rent.
* Increased experience with Java Backend, Bootstrap and SQL.

**TECHNICAL SKILLS**

* Programming Languages: C++, Java, C, HTML, JavaScript, CSS, Angular, React, React Native, PHP, Git
* Data Science and Databases: Python, R Script, SQL, MongoDB, Amazon EC2
* Bilingual- fluency (Speaking, Reading, Writing) in English, Hindi elementary knowledge of French
* Familiarity with various operating systems Windows, Unix/Linux, interpersonal skills and excellent communication
* Extra-curriculars: USC Aerial Robotics, Running and Soccer, Volunteer Work: CMCA Environment Conservation

**RELEVANT COURSEWORK**Artificial Intelligence**,** Data Structures and object-oriented design, Software Development, Software Engineering, Algorithms and Theory of Computing, Introduction to Operating systems, Software Engineering, Data Optimization