**Kaustubh Kulkarni**

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**EDUCATION**

**Master of Science in Software Engineering Expected May 2021**

San Jose State University

**Bachelor of Engineering in Electronics and Communications**  **May 2016**  
Savitribai Phule Pune University

**TECHNICAL SKILLS**

**Languages:** Python, C++, Java, JavaScript, PHP, HTML5, CSS, jQuery

**Frameworks:** ReactJS, NodeJS, Jest, Django, Express

**Database Technologies:** MongoDB, SQL (MSSQL, MYSQL)

**Tools:** Git, VMware workstation, Docker

**Relevant Coursework:** Data Structures and Algorithms using C++, Database Systems, Enterprise Distributed Systems, Operating Systems, Software Systems Engineering, Cloud Technologies

**Cloud Technologies:** AWS, EC2, AWS S3, AWS RDS

**PROFESSIONAL EXPERIENCE**

**Infosys, India** **August 2016 - July 2019**

**Senior Systems Engineer**

* Designed and devised a web application for onboarding process of new employees to an account in a test-driven environment using Django, JavaScript, HTML, CSS, MS-SQL and MongoDB database.
* Portal was operated by several new employees joining client account to get trained on applications that are assigned to provide support.
* Above application saved human hours by 100% that were previously being wasted on knowledge transfer thus increasing productivity of team.
* Created a web application for German based Medical Technology Company, used to keep track of drug tests carried inside lab.
* Technology stack utilized in project was Python, Django framework for backend processing, Java Script for front end validations and bootstrap, HTML5 and CSS for UI development.
* Implemented web pages, business workflows, customized functionalities according to client needs.
* Trained on open source technologies Unix, Linux, PHP and python at global education center Infosys, Mysore.
* Awarded as high performer after completing training at global education center Infosys, Mysore.

**ACADEMIC PROJECTS**

**Rinnovation,** SJSU(<https://github.com/SJSUFall2019-CMPE272/Rinnovation>)  **October 2019 - December 2019**

* Built an end-to-end application for corporate property managers and house owners to ensure renovation projects yield optimum results based on whether customers are focused on time, cost, or ROI with use of ML and DL model.
* Application helps users to predict cost and time of renovation and answers questions like which room to update and how much to invest, to save most possible amount.
* Project is created with ML library PyTorch, Containerization by Docker, MongoDB database.

**Student101,** SJSU(<https://github.com/samiksjsu/Student101>) **January 2019 - Present**

* Devised and developed solution to help international students to get a free ride from a trusted source on arrival in US.
* This application also helps students to find apartments, nearby university considering travel time, living expense.
* Used Node.js for backend, React.js, HTML and CSS for frontend design and functionalities.
* End to end database design from scratch that included conceptual design, physical database design and normalization.
* Utilized MySQL at Amazon RDS for database, containerized using docker and deployed on Amazon EC2.

**Smart Car,** SPPU **August 2015 - May 2016**

* Developed a working prototype for project named 'Smart Car', operating various things in car such as power windows, seat inclination, lights, wiper and music system on voice command.
* Prototype also instructed driver about obstacles from all four directions and displayed distance to empty.
* Project was built with Arduino Uno microcontroller board based on microchip ATmega328P. an android mobile application, wireless Bluetooth module.
* Main objective of project was to implement everything with minimum possible budget so that feature can be included in low budget cars.