Mrunal Salvi

Software Engineering Graduate Student

Areas of Practice

Agile Software Development

Full Stack Web Development

Data Science

Personal Info

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GitHub
https://github.com/msalvi96

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Education

Aug 2018 - May 2020

Master of Science in Software Engineering
University: Stevens Institute of Technology, Hoboken, NJ
GPA : 3.732/4

Aug 2014 - May 2018

Bachelor of Engineering in Electronics and Telecommunications
University: University of Mumbai, India
CGPA : 6.63/10

Skills

Programming Languages: Python, JavaScript, Java, HTML5

Frontend: React, Vue, Electron.js, Bootstrap, CSS, Tkinter, JQuery

Backend: Node.js, Django, Flask, Express.js, Scrapy

Database: Cloud Firestore, Firebase, MySQL, MongoDB, SQLite, PostgreSQL, Redis

Data Science Tools: Pandas, Numpy, MatPlotLib

Other: UnitTest, Travis CI, Postman, Heroku, VirtualEnv, Docker

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Work Experience

Nov 2019 - present

Graduate Assistant - Technology Analyst
Stevens Institute of Technology, Hoboken, NJ
- Working alongside the data engineering team to automate and optimize data handling processes in the graduate admissions office.
- Developing and documenting an ecosystem of command line applications that work as an extension to the University's admission system to improve task efficiency.

Nov 2018 - present

Graduate Assistant - Graduate Student Advisor
Stevens Institute of Technology, Hoboken, NJ
- Assisting the Office of Graduate Admissions in administrative activities, data entry, data collection and processing. Managing University's Domestic, International recruitment events and open houses along with University's Instagram, Facebook and Twitter handle.

Aug 2019 - Dec 2019

Graduate Teaching Assistant
Stevens Institute of Technology, Hoboken, NJ
- Supervised a class of 50+ students in "Fundamentals of Software Engineering" graduate course, reviewed python assignments, proctored tests and provided grades as per the university standards.
- Mentored students through office hours and one-on-one communication.

Projects

Aug 2019 - Dec 2019

Stove and Oven Web Application
Academic Project Fall 2019 - Stevens Institute of Technology, Hoboken, NJ
- Worked in an agile team (SCRUM) to develop a MERN stack web application that allows the user to view existing recipes in the database, plan meal cycles for an entire week and provide the corresponding grocery list for that week.
- Tech Stack: **Backend** - Express.js, Node.js | **UI** - React.js | **Database** - MongoDB | **Authentication** - Google Sign In, OAuth2.0, Passport.js | **Testing** - Mocha and Chai | **Deployment** - Heroku | **Source Control** - Github, Travis CI | **Environments** - Docker

Oct 2019 - Dec 2019

IMDB, YouTube, Spotify Movie Search App
Academic Project Fall 2019 - Stevens Institute of Technology, Hoboken, NJ
- Worked in an agile team (SCRUM) to develop a web application that serves as a one stop shop for users to login and view movie information across IMDB, YouTube and Spotify. Implemented movie suggestions and cache using the IMDB dataset and incorporated YouTube Media Player to navigate effectively through different search results.
- Tech Stack: **Backend** - Express.js, Node.js, ElasticSearch | **UI** - React.js, Bootstrap | **Database** - Firebase, Redis | **APIs** - Spotify, YouTube, IMDB | **Source Control** - Github

Sep 2019 - Dec 2019

Statistical Analysis of Cloud Services
Academic Project Fall 2019 - Stevens Institute of Technology, Hoboken, NJ
- Developed a measurement, cost model of cloud service providers by comparing and performing network, compute engine tests on AWS, Google Cloud Platform and Azure.

Aug 2019 - Nov 2019

Software to Interpret GEDCOM files
Academic Project Fall 2019 - Stevens Institute of Technology, Hoboken, NJ
- Worked with a SCRUM team to design software that interprets and distinguished errors in a GEDCOM file. Assumed the role of Scrum Master throughout the project duration and developed 8 user stories per sprint in Python.
- Tech Stack: **Language** - Python | **Testing** - Unit Tests | **Source Control** - Github, Travis CI

May 2019 - Jul 2019

Calling Campaign Assist Desktop Application
Office of Graduate Admissions - Stevens Institute of Technology, Hoboken, NJ
- Successfully developed, documented and deployed a one of it's kind interactive desktop application to enable users to filter and mine through large excel spreadsheets that reduced manual data operations by 95%. Optimized the Calling Campaign Process at the Office of Graduate Admissions to improve task efficiency by more than 85%.
- Tech Stack: **Language** - Python | **GUI** - Tkinter | **Libraries** - Pandas, Numpy, MatPlotLib