SAYLEE MARULKAR

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PROFESSIONAL SUMMARY

Enthusiastic Software Engineer eager to contribute to team success through hard work, attention to detail and excellent organizational skills. Good academic exposure to distributed, scalable web application development with knowledge of various frontend as well as backend frameworks. Motivated to learn, grow and excel in Software Industry.

SKILLS

Programming: Java, Python, C, C++
- Frontend: React.js, Node.js, HTML5, CSS
- Backend: REST, webRTC, Pusher, Simple-Peer

Databases: MySQL, MongoDB
Version Control: Git Bash
Modeling tools: MATLAB, SolidWorks

EDUCATION

Expected in May 2021
Bachelor of Science: Computer Science
Virginia Tech College of Engineering | Blacksburg, VA

WORK HISTORY

May 2020 - Jun 2020
Student Web Developer
Freelancer - Milpitas, CA

- **Video Chat Application**
- Created server-less video chat application using React.js on Laravel framework mitigating 50% infrastructure overhead.
- Designed authenticated peer-to-peer links with WebRTC [more specifically with Pusher and Simple-Peer].

Utilized: **Laravel (PHP), Web RTC [Simple-Peer.js], React.js, Pusher.js**

Feb 2016 - Nov 2016
Technical Writer, Intern
Siteflu.com - Pune, Maharashtra, India

- Designed step-by-step tutorials and technical hacks to generate more reader interest about web development, its frameworks and technologies like Django, Ruby, JavaScript, XML.
- Improved company- website's SEO from 76 to 85 on Google Analytics.

PROJECTS

- **Password Security Analyzer** – CS 2114, Virginia Tech

• Designed a Python based password strength checker computing strength in terms of guessing times and number of guesses.
• Applied hashing algorithms – SHA256 and SHA512 to hash the user input and employ the attack.
• Graphically represented the results using matplotlib library.
• Held daily scrum meetings with team members to stay on track and devise the method to plot the results.

Utilized: **Python, matplotlib, numpy, binascii, hashlib**

- **Music Preference Visualization** – CS 2114, Virginia Tech

• Designed a visualization tool in Java that helps users understand music preferences of college students by parsing sample input files and sorting them based off of a specific criterion. A glyph was used as the tool to represent data dynamically.
• Conducted daily scrum meetings and joint wire-framing sessions on Balsamiq Cloud and perform Junit Testing.

Utilized: **Java, Linked Stacks, GraphWindow Library, Comparable Interface, Junit, Balsamiq**