Vaibhav Shelke

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OBJECTIVE

To obtain a career that will allow myself to take full advantage of my passion and experience in software engineering and development operations.

EDUCATION

B.Tech - Software Engineering   July 2014 - Present
SRM University, Kattankulathur, Tamil Nadu, India.
- CGPA **8.129/10 (Till 6th Semester)**

TECHNOLOGY SKILLS

Languages: JavaScript(ES6), Python, C++, Java.
Tools: Webpack, Babel, VS Code, GitHub, TravisCI, Heroku
Frameworks: Scikit Learn, Open CV, Middleman, Django, Flask.
Databases: MongoDB, MySQL, RethinkDB.

EXPERIENCE

Freshworks Inc.: *(Software Development Intern)*   Jan 2018 - Present
Freshworks Inc. (formerly Freshdesk) is a software product company which focuses on business software for customer. I worked mainly on latest front-end technologies for improving website features.

- Developed an es6 module for easy storage of data in cookies and local storage.
- Written an AWS Lambda Function in node for automated ticket assignment.
- Developed UI Interaction components for improving website performance.
- Improvement of TravisCI scripts on notifying the user about current build status.

SRM Mars Rover Team: *(Programming Team Lead)*   Oct 2016 - Present
The team participates in annual competition University Rover Challenge held in Utah, USA. Currently I work in the coding domain of the team and am responsible for the control systems and integration of the Rover's electronic components.

- Developed autonomous drive algorithm to navigate the rover between given GPS coordinates on a open terrain.
- Wrote the ground station software for displaying the status of the rover in real-time.
- Implemented image processing algorithm used by the rover to traverse across hurdles, such as gates.
- Wrote algorithm for controlling a 6-DOF robotic arm.

SRM Search Engine: *(Junior Back end Developer)*   Aug 2016 - Nov 2016
A General Purpose Search Engine, funded by National Internet Exchange of India. It is based on Flask micro web application framework.

- Developed a web scraper to scrape data from various websites and store it in MongoDB.
- Used Zomato's REST API to enlist nearby restaurants based on user's current location retrieved from the web browser.

PROJECTS

Cosmos Search*(http://search.opengenus.org/)*   Open Source
This is the real-time code search engine for all. It aims to revolutionize the way people interact and search for code. Cosmos Search is privacy-focused as it does not store any data. I was among the initial contributors of this project.

URL Shortener*(http://cram.space/)*   Personal
It is a simple scalable URL Shortening website written in PHP.

Game of Life*(https://github.com/vshelke/game)*   Personal
Implemented John Conway's cellular automaton in JAVA using Swing GUI tools. The simulation allows a user to set the initial state of the grid, after which the next generations are rendered in accordance with the automaton rules.

Chat Program*(https://github.com/vshelke/talk)*   Personal
It is simple desktop chat application written in Java Swing which is light weight and portable.

INTERESTS

Backend development, Machine Learning and Automation.

OTHER PROFILES

GitHub: https://github.com/vshelke
LinkedIn: https://www.linkedin.com/in/vshelke/
Portfolio: http://vshelke.me/

EXTRA-CURRICULAR ACTIVITIES

- Participated in National Level Football Festival and represented the team as Captain.
- Awarded certificate of participation for finishing in top teams at IIT Bombay Techfest - Battle Code competition.
- Qualified in Google Code Jam 2016.
- Participated in CII Hackathon 2016.

PERSONAL DETAILS

- Father's Name: Dnyanadeo Shelke
- Date of Birth: 26th November 1996
- Languages Known: English, Hindi and Marathi.

PLACE: CHENNAI
DATE: 26 March 2018   **VAIBHAV SHELKE**