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: C++, Java, Python.
Tools/Frameworks: Django, Flask, Bootstrap, Digital Ocean, Github, Heroku, LAMP Stack.
Databases: MongoDB, MySQL.
Hardware Technologies: RaspberryPi, Arduino, Teensy.

EXPERIENCE

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 Backend 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

Game of Life
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.

Morse-Code Generator
It's a C++ program which uses a Binary Tree to generate Morse Code from the given string.

Chat Program

It is simple desktop chat application written in Java Swing which is light weight and portable.

URL Shortener

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

INTERESTS   Web Development and Robotics.

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: 1 September 2017   **VAIBHAV SHELKE**