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

Programming Languages: C++, Java, Python, PHP.
Operations Technologies: Digital Ocean, AWS, Github.
Web Backend Technologies: Django, Flask, MongoDB, PostgreSQL, MySQL, Heroku.
Web Frontend Technologies: JQuery, Bootstrap3, Jinja.
Hardware Technologies: RaspberryPi, Arduino, Teensy.

EXPERIENCE

SRM Search Engine   August 2016 - Present
A General Purpose Search Engine, funded by National Internet Exchange of India. It is based on Flask micro web application framework. following were my contribution in it.
- Developed a web scraper to scrape data from various websites and store the data in MongoDB.
- Developed many working smart modules which gives results according to the location.
- Have used REST APIs to show nearby restraunts based on users location.
- Implemented the concept of location based queries to improve the search queries.

SRM Mars Rover Team   October 2016 - Present
The team participates in annual competetion University Rover Challenge held in Utah, USA. Currently I work in the coding domain of the team and is responsible for the control systems and integration of the Rovers electronic components.
- Developed autonomous drive system for the rover to navigate the rover between given GPS coordinates autonomously.
- Developed the ground station for displaying the status of the rover in real-time.
- Implemented image processing for the detection of gates for the rover to traverse preciesly to a particular location.
- Implemented a closed loop control on the arm with 6-DOF to make the control simple.

SRM Team Robocon   August 2015 - October 2015
The team participates in the ABU Robocon competetion every year with different and innovative problem statements. I was in the coding domain of the team responsible for the drive system.
- Controlled an omni-wheeled drive with the PS2 controller.

INTERESTS	Robotics, Machine Learning and Web Development.
OTHER PROFILES	**GitHub:** https://github.com/vshelke **LinkedIn:** https://www.linkedin.com/in/vshelke/ **CodeChef:** https://www.codechef.com/users/vaibhav3301 **Portfolio:** http://vshelke.me/

EXTRA-CURRICULAR ACTIVITIES

- Participated in National Level Football Festival and represented the team as Captain.
- Qualified in Google Code Jam 2016.
- Participated in Tech-Mahindra 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 July 2017   **VAIBHAV SHELKE**