Vaibhav Shelke

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OBJECTIVE

To obtain an internship 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.

TECHNOLOGY SKILLS

Programming Languages: Python, Java, C++.
Operations Technologies: Digital Ocean, AWS EC2, Github.
Web Backend Technologies: Django, Flask, MongoDB, PostgreSQL, MySQL, Heroku, Apache, Gunicorn.
Web Frontend Technologies: JQuery, Jinja, Bootstrap3.

EXPERIENCE

SRM Search Engine   August 2016 - Present
It is a students built search engine which ranks the webpages by clustering the webpages in different topics. It is based on Flask micro web application framework. following were my contribution in it.

- Developed many working smart modules which gives results according to the location.
- Have used Zomato API to show nearby restraunts based on users location.
- Implemented the concept of location based queries to improve the search queries.
- Implemented redis in-memory data structure to increase the speed of search results.

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 BackEnd Web Development, Artificial Intelligence and Computer Networks.

OTHER **GitHub:** https://github.com/vshelke
PROFILES **LinkedIn:** https://www.linkedin.com/in/vshelke/
Portfolio: http://vaibhavshelke.me/

LANGUAGES English, Hindi and Marathi.

HOBBIES Programming, Reading books and Playing Guitar.