Vaibhav Shelke

Parksyde Residences, Nashik,
Maharashtra, India 422010
(917) 617-1642
vaibhavshelke017@gmail.com

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 - July 2018
SRM University, Kattankulathur, Tamil Nadu, India.
- CGPA **8.057/10**

TECHNOLOGY SKILLS

Languages: JavaScript(ES6), Python3, C++, Java.
Tools: Make, Webpack, Babel, VS Code, GitHub, TravisCI, Heroku, Bash.
Frameworks: Scikit Learn, Open CV, Django, Flask, Express.js, Vue.js, Node.js, Middleman.
Databases: MongoDB, MySQL, RethinkDB.
Others: Socket Programming, API Development, Web Crawling, Data analysis.

EXPERIENCE

Freshworks Inc.: *(Software Engineer)*   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 and persistant 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.
- Developed a marketing tool which easily deploys campaigns for targeting customers by location and plan.

SRM Mars Rover Team: *(Programming Team Lead)*   Oct 2016 - Dec 2017
The team participates in annual competition University Rover Challenge held in Utah, USA. I worked in the coding domain of the team and was 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

Pirate *(https://github.com/teamrudra/pirate) - Project Lead*   Rudra

This project contains the whole framework responsible for the control of a student developed mars rover which consists of a differential drive and 6-DOF robotic arm.

Neutron *(https://github.com/teamrudra/neutron) - Project Lead*   Rudra

This project consists of the whole User Control of the Rover from a remote location. It is a GUI developed in Electron Framework for simple and efficient control of rover.

Cosmos Search *(http://search.opengenus.org/) - Contributor*   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.

Agrowell *(https://github.com/vshelke/agrowell) - Owner*   Personal

It is an IOT System which monitors plants in real-time and predicts parameters like relative growth, transpiration rate, time to water and plant health.

INTERESTS

Backend development, Machine Learning and Automation.

OTHER PROFILES

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

EXTRA-CURRICULAR ACTIVITIES

- Secured 2nd position in Freshworks Internal Hackthon - 2018.
- Qualified in Google Code Jam 2016.
- Participated in CII Hackathon 2016.
- Awarded certificate of participation for finishing in top teams at IIT Bombay Techfest - Battle Code competition.
- Participated in National Level Football Festival and represented the team as Captain.

PERSONAL DETAILS

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

PLACE: CHENNAI
DATE: 16 June 2018   **VAIBHAV SHELKE**