

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

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

**EXPERIENCE** **Freshworks Inc.:** (*Software Engineer*) Jan 2018 - Aug 2018  
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 persistent 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

**Core** (<https://github.com/teamrudra/core>) - *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.opengenius.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:** NASHIK

**DATE:** 4 August 2018

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