

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	<i>B.Tech - Software Engineering</i> SRM University, Kattankulathur, Tamil Nadu, India. <ul style="list-style-type: none">● CGPA 8.129/10 (Till 6th Semester)	July 2014 - Present	
TECHNOLOGY SKILLS	<i>Languages:</i> C++, Java, Python. <i>Tools/Frameworks:</i> Django, Flask, Java Swing, Java Networking, Digital Ocean, AWS, Github, Heroku, Bootstrap, LAMP Stack. <i>Databases:</i> MongoDB, MySQL. <i>Hardware Technologies:</i> RaspberryPi, Arduino, Teensy.		
EXPERIENCE	SRM Mars Rover Team: <i>(Programming Team Lead)</i> 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. <ul style="list-style-type: none">● Developed <u>autonomous drive algorithm</u> for the rover to navigate the rover between given GPS coordinates.● Developed 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.● Developed algorithm for controlling a 6-DOF robotic arm. SRM Search Engine: <i>(Junior Backend Developer)</i> 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. <ul style="list-style-type: none">● 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.

INTERESTS Robotics and Web Development.

**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.
- 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 July 2017

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