

# Abhijay Rajvansh

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## EDUCATION

### SRM Institute of Science and Technology

*Bachelor of Technology (B.Tech) in Computer Science and Engineering*  
CGPA - 9.68 (Till 2nd Sem.)

Chennai, TN

Sep. 2020 – Present

## EXPERIENCE

### AI/ML Research Assistant

Nov. 2021 – Present

*SRM Institute of Science and Technology*

*Chennai, TN*

- Developing a tech-stack web application using FastAPI, Python, PostgreSQL and RaspberryPi to form a mini computer mechanism to enhance the walking stick of blind people.
- Integrating the sub elements of the project to make it work efficiently in real time world and documented it.
- Explored ways to visualize the real world object using motion sensors like HC-SR04

### Open Source Contributor

Jan. 2021 – Present

*Various online platforms*

- Fixing bugs in large code databases and developing softwares via contributing in open source.

## TECHNICAL SKILLS

### Expertise Area

-Data Structures and Algorithms, Competitive Programming, Python Automation Task, Cyber Security, Software development and Web Application Development, Object Oriented Design and Programming.

### Programming Languages and Technologies

-C/C++, JAVA, JavaScript, Swift, Solidity, Python, Selenium, React, Node, Android - iOS Development, Blockchain, Linux OS and Kali-Linux OS, Cyber Security, Bash-Zsh-Fish Terminal, Software Automation in Command Line Interface, Cryptocurrency and NFTs, Graph Theory, Operating System, Networking, Discrete Mathematics, Number Theory, Advance Programming

## PROJECTS

### Cryptocurrency Trading Bot | *Python, Flask, Selenium, Database*

Jan. 2021 – Present

- Developed a Command Line Interface application using python with Selenium library and Flask serving quick APIs for trading Cryptocurrency on user's exchange.
- Implemented Selenium chrome driver to interact with chrome browser for automation commands like bidding, selling and calculating growth with candle patterns and visualized github data for quick download.

### Forcegram | *Python, Bruteforce, Selenium, JavaScript*

Dec. 2020 – Dec. 2020

- Developed a social engineering tool for ethical hacking which can crack passwords of Instagram users.
- Implemented the algorithm of Brute-Force in python with selenium library to interact with Instagram's algorithm and browser application using bunch of keywords of a dictionary.

## AWARDS AND ACHIEVEMENTS

- Coding Ninjas Intra-College Coding Competition, Rank : 2 July. 2021
- National Cyber Olympiad (NCO) Scholar, State Rank : 1, India Rank : 16 Jan. 2018

## LEADERSHIP AND RESPONSIBILITIES

### Event Head and Problem Setter

Jul. 2020

- \* Online Programming Event Organised on CodeForces — Over 200 active participating teams.