

Sai Abhishek

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Summary

Currently pursuing Bachelors of Technology in Electronics and Communication Engineering at the Vellore Institute of Technology Chennai Campus. Proficient in various platforms, programming languages, and embedded systems. Able to effectively self-manage during independent projects, as well as collaborate as part of a productive team. Passionate about Hardware Engineering, Embedded Systems, IoT, and Signal Processing. Strong organizational abilities with proven successes managing multiple academic projects and volunteering events.

Education

Bachelors in Technology (B Tech),

Vellore Institute of Technology, Chennai Campus

2018 – present | Chennai

MAJOR: Electronics and Communication Engineering

CGPA: 7.91

12th Grade CBSE, DAV Boys Senior Secondary School

2018 | Chennai

DEPARTMENT: COMPUTER SCIENCE

FINAL SCORE: 86.7%

Skills

C/C++	<div><div></div></div>
Python	<div><div></div></div>
Embedded Systems	<div><div></div></div>
Linux	<div><div></div></div>
Java	<div><div></div></div>
Git	<div><div></div></div>
MATLAB	<div><div></div></div>
VHDL	<div><div></div></div>

Organisational Experience

The Debate Society of VIT Chennai, General Secretary

2020 – 2021

VITC Model United Nations, Head of Marketing

2020 – 2021

VITC Intra Model United Nations, Head of Marketing

2019 – 2020

Professional Experience

Data Scientist Intern, Edvicer Private Limited

05/2020 – 07/2020

Assigned to scrape clean and structured data such as comments, links, images, titles, descriptions from websites. Learned basic automation using Selenium to automate the above process.

Major accomplishments:

- Improved my python knowledge by working with several libraries such as Pandas, Selenium, NumPy, etc.
- Used the power of Selenium and Chromedivers to dive into the world of automation and testing.

Wireless Engineer Intern, Sify Technologies Limited

05/2019 – 06/2019 | Chennai

Assigned to the wireless engineering team.

Major accomplishments:

- Learned about basic information communication technologies and their respective protocols
- Helped the wireless testing team in solving day-to-day connectivity issues faced by real-world customers.

Certificates

- PCAP: Programming Essentials in Python from Cisco Networking Academy.
- Ethical Hacking and Cyber Security course from zSecurity.
- Core Java Training from The Learn Programming Academy.
- Software Engineering Virtual Experience from JP Morgan Chase & Co.

Projects

graphFramework – An open-source C++ Library for graph data structure

COVID-19 Mask Detector using Python and OpenCV.

Car Number Plate Detection Using MATLAB and Image Processing.

Gender Identifier by Voice Analysis using MATLAB and Signal Processing.

Small Scale Surveillance System with IoT functionality using Raspberry Pi and Python.

Automated Reverse Parking Sensor using 8051 Microcontroller and Assembly language.

Subwoofer Amplifier using NPN Transistors.