

Tarang Garg

B.Tech. in Computer Science

7999738379 

Neemuch, India 

Practical and solution-oriented Computer Science Engineer with great logical and debugging skills. Passionate about management, innovation, automation and much more.

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EDUCATION

BTech in Computer Science

Vellore Institute of Technology

06/2019 – Present

Vellore

Achievements

- CGPA – 8.10/10

High School

Springwood School, Neemuch

03/2007 – 03/2017

Neemuch

Achievements

- 12th Standard – 68.6%
- House Captain (2017-18)

EXPERIENCE

Costa Cloud

(06/22-Present)

Using Open-CV to develop an Object Identification Algorithm for Drone. Creating an app that aids in object detection and assists in determining the flight route of a drone.

Team Infinix

(05/21-Present)

As a Vice Captain, it was my duty to manage 35 people and steer the key departments in the direction of the project's aim and the fulfilment of NASA HERC's requirements.

Team Vice Captain

Achievements

- NASA HERC 2022: 1st Worldwide social media^

Ayuda NGO

(12/19-03/21)

As a Management member. Served as a mentor for more than ten seminars and contests in a variety of fields, including Riddle Mania, Science Explora, and poster-making.

Innovators Quest

(01/21-04/21)

IQUEST-VIT, a group committed to science, technology, and project creation, served as project leader and management member. Contributed to the organisation of several effective events and education sessions.

ACHIEVEMENTS

International Olympiad of Science (2017-18)

Secured 611 International Rank amongst 40,000+ students.

TECHNICAL SKILLS

Tools

Arduino IDE, Android Studio, MS Word, MS Excel, MS Power Point, MS Visio, yEd Graph Editor, Adobe Photoshop, Inkscape Vector Graphics

Languages

Java ● ● ● ● ●
Python ● ● ● ● ●
C, C++ ● ● ● ● ●
JavaScript ● ● ● ● ●
Matlab ● ● ● ● ●

Hardware

Nvidia Jetson Nano, Raspberry Pi 2/3/3b/4, Arduino UNO, Node MCU

PROJECTS

Security Device Project

Developing a security device that uses a gesture sensor and voice recognition sensor. Also, GPS module and Bluetooth module to connect the device to mobile phones. And device share the location with emergency contacts and nearby government officials. (Arduino language, C Language)

Touchless Sanitizer Dispenser

Developed a touchless sanitizer dispenser that uses during COVID-19. Using Arduino board and different sensors to detect hands. Material and body is of household dustbin which makes it very low cost product.

(Arduino language, C Language)

Maze-Solver

Python based algorithm visualizer. User selects maze size and algo, turtle solves the maze autonomously. Helps better understand traversal algorithms like BFS, DFS, A*, etc.

(Tkinter, PyTurtle)

Bike-Rider

A metadata-analysis project based on python which collects data from various bike stations around VIT campus and display trends to help better allocation of bicycles.

(Pandas, Numpy, Matplotlib)