

S U M M A R Y

Eager and motivated first-year student pursuing Electronics and Computer Engineering at Vellore Institute of Technology, Chennai, Seeking a challenging Summer Internship opportunity to apply and enhance my skills in software development and problem-solving.

E D U C A T I O N

BACHELOR OF TECHNOLOGY

ELECTRONICS AND COMPUTER
ENGINEERING VIT CHENNAI • 2023-2027

HIGHER SECONDARY EDUCATION

CHINMAYA VIDHYALA MATRIC. HR. SEC. SCHOOL • 2021-
2023 95.17%

S K I L L S

PROGRAMMING LANGUAGES KNOWN

- C
- C++
- PYTHON
- JAVASCRIPT
- (BASICS) MYSQL

FRONTEND DEVELOPMENT

- HTML
- CSS
- BOOTSTRAP
- JAVASCRIPT

FRAMEWORK & LIBRARIES

- DATA SCIENCE (NUMPY, PANDA)
- MACHINE LEARNING (OPEN CV &
- TENSORFLOW) REACT JS
- NODE JS

PROJECTS

SPACE IMAGERY ROAD DETECTION ALGORITHM

Developed an algorithm to detect roads from satellite imagery; contributed to a hackathon project.

AUTOMATIC ALGORITHMIC TRADING SYSTEM

Designed and implemented algorithmic trading algorithms for various financial markets, focusing on optimizing risk-adjusted returns.

AUTOMATED FIRE EXTINGUISHING ROBOT

Developed an automated fire extinguishing robot with infrared and smoke detectors for rapid detection. Included a real-time notification system for the owner.

ACHIEVEMENTS

Solved 175+ Leetcode Problems

Competitive Programmer , Hack Club member

Competitive Programmer , Newton School Coding Club member

IMO Gold Medalist

1st place in District level maths competition

School Representative During my school days

ONGOING DEVELOPMENT

MACHINE LEARNING

Currently undergoing a comprehensive exploration of machine learning, focusing on teaching computers to learn from data and make decisions. Engaged in learning tools like **TensorFlow** and **OpenCV** to create and train models, as well as to perform tasks such as object recognition in images. Excited to apply newfound knowledge to tackle challenges and innovate solutions.

BACKEND WEB DEVELOPMENT

Embarked on a dedicated journey to delve into backend web development technologies. Currently focusing on mastering Python and exploring frameworks like **Django** and **Flask**. Concentrating efforts on **database design**, **user authentication**, and **API** integration. Committed to continual improvement through self-study and engagement with online resources, with an aim to contribute to open-source projects in the future.