

AJJAY ADHITHYA V

Chennai, Tamil Nadu



[Website](#)



ajayadi2005.aa@gmail.com



[Linkedin](#)



[Github](#)

EDUCATION

Vellore Institute of Technology, Chennai

2022 – 2026

Bachelor of Technology, Computer Science and Engineering - CGPA - 8.98 (till 6th Sem)

Chennai, India

Velammal Vidyalaya

2021 – 2022

CBSE - Class 12 - Percentage - 95.2%

Chennai, India

Velammal Vidyalaya

2019 – 2020

CBSE - Class 10 - Percentage - 91.6%

Chennai, India

TECHNICAL SKILLS

Languages / Technologies : Python, C/C++, Java, R Studio, Matlab, LT Spice, SQL, Oracle SQL, MERN Stack, Arduino Programming, AWS Services, Reinforcement Learning Frameworks

Full-Stack Web Developemnt : HTML, CSS, Bootstrap, Tailwind, JavaScript, React Library, NodeJS, ExpressJS, MongoDB Atlas, Oracle SQL, REST APIs

Tools : Visual Studio Code, Jupyter Notebook, Git / GitHub, Arduino IDE

EXPERIENCE

India Space Lab (ISL)

Dec 2024 – Jan 2025

Internship Trainee

Remote

- Intern at India Space Lab with hands-on experience in drone tech, CanSat/CubeSat systems, exoplanet astronomy, and space entrepreneurship.

InstiBuzz – All-in-one campus brand of IIT Madras

Aug 2024 – Oct 2024

Technical Team Member (Full-Stack) - Internship

Hybrid

- As a Technical Team intern at Instibuzz, we focus on maintaining and optimizing the website to ensure smooth functionality and a strong digital presence for the brand.

PUBLICATIONS

A Multimodal Road Surface Quality Rating System

Jan 2025 – April 2025

- Presented at the 8th International Conference on Computing Methodologies and Communication (ICCMC-2025) and paper to be published soon in IEEE Xplore.

PROJECTS

Traffic Signal Optimization Using Reinforcement Learning

Dec 2024

- Simulating traffic scenarios in Pygame, it combines a Random Forest Classifier for initial traffic predictions with Q-learning for adaptive and continuous signal optimization.

DevLab : Innovative Code Evaluation and Learning Experience

Nov 2024

- Ed-Tech Web Development Learning Platform designed to offer interactive, scalable, and personalized learning experiences.

CERTIFICATIONS

Advanced Drone Technology (Air Taxi) Workshop | **Rev Up Arduino - Level 1** |

MERN Full-Stack Development | **C, C++, Python Programming Certification** |

Machine Learning Essentials with Azure ML