

JG Jerlshin

Robotics and AI Enthusiast

As a highly motivated individual with a deep interest in Robotics and AI, I am eager to contribute my skills and knowledge to the development of innovative technologies. My strong commitment to personal growth and learning will be instrumental in achieving my goals.



✉ jerlshin.official008@gmail.com

📍 Tirupathur, India

🌐 [linkedin.com/in/jerlshin-j-g-9748b9264](https://www.linkedin.com/in/jerlshin-j-g-9748b9264)

🐙 github.com/JGFreak

📞 +91 6381900869

📅 14 April, 2004

🐦 twitter.com/jerlshin

EDUCATION

Pursuing Bachelor of Technology, CSE Vellore Institute of Technology

06/2021 - Present

9.34* GPA

Courses

- Specialization in AI and Robotics
- Pursuing Honors in the field of Robotics

HSC

Don Bosco matriculation higher secondary school

06/2019 - 04/2021

Percentage - 88.5

Courses

- Physics, Maths, Chemistry

PERSONAL PROJECTS

4 DOF Robotic Manipulator with Rover

- I and a team of four completed a project on a 4 DOF pick and place arm mounted on a rover. Although our initial plan was to automate with OpenCV, we ended up designing with a controller for the manipulator and rover.

Optimizing Airway Network with Parallelization

- I am working on an IEEE paper in collaboration with a faculty member at my school. The paper aims to optimize the airway network using parallelization methods and proposes a solution to finding the shortest path between two airports with $O(1)$ time complexity. This approach offers greater efficiency compared to most existing algorithms, which have a polynomial time complexity.

Smart Door Lock System

- I built a "Smart Door Lock Security System" using Arduino, which includes a keypad for secure password input and a 2x16 LCD for user interface. This project improved my skills in sensor technology, programming, and hardware integration while also providing a convenient way to update the password for enhanced home security.

SOFT SKILLS

My abilities include

Efficient Time Management, Discipline, Creativity, Adaptability, Work Ethic

SKILLS

C/C++

Python

Java

MySQL

Data Structure and Algorithms in C

Design and Analysis of algorithm in C++

Linux

Basics of Computer Vision and Image processing

Building skills in Machine Learning and in ROS

ORGANIZATIONS

Code-Y-Gen (09/2022)

Member of "Coding for young generation club" in VIT

CERTIFICATES

Introduction To Industry 4.0 And Industrial Internet Of Things

NPTEL course, (Jan - April 2023)

Introduction and Programming with IoT Boards

Coursera Online Certification Course by Pohang University

Mathematics for Machine Learning

5-Week Course offered by Imperial College, London, Ongoing

Introduction to Computer Vision and Image Processing

6-Week Course offered by IBM, Ongoing

LANGUAGES

Tamil

Native or Bilingual Proficiency

English

Full Professional Proficiency

Japanese

Limited Working Proficiency

INTERESTS

Researching Field

Robotics

Machine Learning

AI and Neural Networks

Evolving over time

Greatly Interested to Learn as much as possible with time