

# ARYAN SHANDILYA

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## Education

### Vellore Institute Of Technology, Bhopal

Bachelor of Technology- Computer Science with specialization in AIML

Sep. 2023 – Present

Bhopal, Madhya Pradesh

## Skills Summary

**Areas:** Machine Learning, Computer Vision, Web Development, Robotics

**Languages:** Python, Java, C++, HTML/CSS, JavaScript, SQL

**Tools:** Docker, GIT, MySQL, MATLAB

**Platforms:** Linux, Windows, Arduino, Raspberry, AWS, GCP

**Frameworks:** Scikit, TensorFlow, Django, webRTC

**Libraries:** Open CV, TKinter, Electron JS

**Soft Skills:** Writing, Public Speaking, Team Management

## Relevant Coursework

- Data Structures
- Operating System

- Mathematics for AI
- Database Management

- Artificial Intelligence
- Internet Technology

- Systems Programming
- Computer Architecture

## Experience

### Girlscript Summer of Code

March 2024 – December 2024

*Open Source Contributor*

- Was selected as an open-source contributor for the GirlScript Summer of code 2024.
- Contributed in various repositories working with technologies like React, Django, Node.js

## Certificates

### Applied Machine Learning in Python

November 2025

*Coursera University Of Michigan*

- Comprehensive training in machine learning algorithms and neural networks
- Hands-on projects using Python, TensorFlow, and scikit-learn

## Projects

### Viloir Chat | webRTC, GCP, Firebase Realtime Database

October 2024

- Developed a full stack platform for connecting college students over video call.
- Implemented user authentication and sign up using firebase. Used webRTC under the hood for peer-to-peer video call.
- Created queue system for handling random connections between available peers.
- 800+ registrations on the platform in the first week and recorded a peak online engagement of 100 users.

### Robotic-Prosthetic-Hand | Java, Embedded C, Arduino, Python, OpenCV

January 2025

- Built a working robotic prosthetic hand.
- Processed user input from hand gestures through OpenCV to control finger movement.
- Successful POC for building robust and portable artificial limbs.

### V12 JavaScript Editor | Browser tools, Codemirror, Flowchart.Js, Mermaid.Js

May 2025

- Built an in browser JavaScript Editor with real-time flowchart generation.
- Used syntax trees with Mermaid.Js to dynamically generate flowchart for user code.
- Implemented features such as theme selection and syntax highlighting and error detection.

## Publications

### Classification of different Plant Species using DL and ML

The Journal Of Supercomputing  
(Under Review)

- Paper highlights the use of ensemble learning for classifying different plant species.
- Highlights the use of classification models along with robotic vehicle for species identification.

## Extracurricular

### Electric Vehicle Club

Fall 2024 – Present

*Event Management Club*

Vellore Institute Of Technology, Bhopal

- Serving member of the Electric Vehicle Club as the event management head.
- Conducted successful workshops and informative tech events with a record of 100+ registrations.