

# SHAMYUKTHA S

| Software Enthusiast |

## PERSONAL PROJECTS

### Airbnb Clone:

| 25 May, 2024 - 5 June, 2024 |

Created a responsive Airbnb clone using HTML5 and CSS3 with Flexbox and Grid for a mobile-first, cross-device UI/UX design.

**Tech Stack:** HTML5, CSS3, Flexbox, CSS Grid

**Key Contributions:**

- Developed a mobile-first, responsive layout.
- Ensured cross-browser compatibility and smooth user experience.

### AI-Powered Hand Gesture-Controlled PowerPoint:

| 23 March, 2024 - 10 April, 2024 |

Built a hand gesture recognition system for hands-free PowerPoint slide navigation.

**Tech Stack:** OpenCV, CNNs, Python

**Key Contributions:**

- Developed gesture recognition using OpenCV.
- Trained CNNs to map gestures to PowerPoint controls.
- Enabled intuitive, real-time slide navigation.

### AI-Based Gym Trainer:

| 16 March, 2024 - 21 March, 2024 |

Developed an AI-powered fitness trainer using pose estimation for real-time movement tracking and posture correction.

**Tech Stack:** Machine Learning, OpenPose, MediaPipe, OpenCV, Python

**Key Contributions:**

- Designed a pose estimation model for movement analysis.
- Integrated OpenCV for visual feedback.
- Ensured high accuracy in posture recognition.

## INTERNSHIP

### **TechSnapie Solutions - Intern**

| Aug-2024 |

Completed two 15-day internships - one in Python & ML, and another in Frontend Development (HTML, CSS). Python & ML: Gained hands-on experience in Python and learned basic ML concepts. Frontend Development: Learned HTML, CSS, and built some basic web projects.

## ACHIEVEMENTS

### **ACADEMICS:**

- **Ranked 1st** in Mechanical Engineering with an SGPA of **9.29**
- **8th Rank** college-wide for 2022-2023

### **TECHNICAL:**

- **3rd Prize, Artiverse Hackathon 2024:** Built an AI-powered PowerPoint controlled by hand gestures using OpenCV and TensorFlow, completed within 24 hours.
- **1st Place in Technical Events & 3rd Place in Ppt, IRAI AMCEM '23:** Presented on a survey robot.

## CONTACT

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- [Portfolio](#)
- [LinkedIn](#)
- [GitHub](#)

## SKILLS

### **Soft Skills:**

- Analytical Thinking
- Decision Making
- Adaptability
- Team Coordination
- Engagement Building
- Problem Solving

### **Technical Skills:**

#### **Languages:**

- Java
- Python

#### **Web Development:**

- HTML
- CSS

#### **Tools:**

- Excel
- Photoshop
- CAD
- Solidworks

## EDUCATION

- Kongunadu College Of Engineering And Technology, Thottiyam | Mechanical Engineering | 2022-2026 | 8.63%
- MCTM.hr.sec.school | Kanadukathan | 2020 - 2022 | 83.3%

## LANGUAGES KNOWN

- English
- Tamil