



SIVARAM V

CONTACT

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CAREER OBJECTIVE

Mechatronics Engineering student with a minor in AI & ML, experienced in computer vision, IoT systems, and applied machine learning through real-world projects and hackathons. Seeking an entry-level role to contribute to AI-driven and automation solutions.

EDUCATION

B.E. Mechatronics Engineering

Expected in June 2026

Bannari Amman Institute of Technology

- Current CGPA: 8.14 (Up to 6th Semester)
- Minor Specialization: Artificial Intelligence & Machine Learning

HSC

May 2022

Jai Saradha Matriculation Higher Secondary School

- Percentage: 88.3%

SSLC

June 2020

Jai Saradha Matriculation Higher Secondary School

- Percentage: 71%

TECHNICAL SKILLS

- **Programming:** Python, C, Java
- **Databases:** SQL
- **IoT & Hardware:** ESP32, Arduino
- **Tools:** Google Colab, VS Code, Pycharm, Arduino IDE.
- **Web:** HTML, CSS

PROJECTS

AI Powered Content Moderation

Nov 2024 – May 2025

Built an AI-powered video moderation system to detect copyright violations, nudity, violence, and hate speech using computer vision and embedding-based similarity search.

- Role: Video Copyright & API Integration
- Technologies: Python, OpenCV, pHash, Chroma, Embeddings

Waste Sorting System

July 2024 – Nov 2024

Developed a machine learning-based waste sorting system to classify degradable and non-degradable waste using image processing.

- Role: Data collection and Processing
- Technologies: Python, OpenCV, Machine Learning, Fusion 360

Fetus Movement Monitoring System

Mar 2024 – Aug 2024

- Built a real-time fetus monitoring system using ESP32 and MIT App Inventor to display fetal activity for maternal health.
- Role: Application Development
- Technologies: ESP32, MIT App Inventor, BMX160

6-Axis Robot Arm

Sept 2023 – Mar 2024

- Designed and manufactured the mechanical structure of a robotic arm with 6 degrees of freedom.
- Role: Mechanical Design & Manufacturing
 - Technologies: SolidWorks

COMPETITIONS & ACHIEVEMENTS

- **Special Jury Prize** – L&T Techgium 2024 (Team Size: 4)
- **Winner** – Galaxy Phase II at GCE Erode (Team Size: 4)
- **Special Prize** - Hackzilla at KPRiet Coimbatore(Team Size: 4)
- **Participant** – The Dark Pattern Buster Hackathon 2023 (Team Size: 4)
- **Participant** – TN Skills - Mobile Robotics (Team Size: 2)

CERTIFICATES

- Python Essentials 1 – Cisco Networking Academy & OpenEDG (2023-04-15)
- Introduction to Data Science – Cisco Networking Academy (2023-09-18)

AREAS OF INTEREST

- Internet of Things (IoT)
- Database Management
- Web Design & Development
- Machine Learning & AI

STRENGTHS

- Leadership
- Problem-Solving
- Teamwork
- Time Management

LANGUAGES

- Tamil: Read, Write, Speak
- English: Read, Write, Speak

HOBBIES & INTERESTS

- Photography
- Cricket
- Movies

PLACE: Tiruppur

SIGNATURE
SIVARAM V