

# LOGESHWARAN A

## Associate Software Engineer | Full Stack & AI Developer

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### SUMMARY

Analytical and innovative Machine Learning Engineer & Data Scientist skilled in Python, TensorFlow, scikit-learn, and SQL. Experienced in data preprocessing, model optimization, and end-to-end ML deployment. Passionate about applying AI and data science to build scalable solutions that enable smarter decision-making.

### TECHNICAL SKILLS

<b>Frontend:</b> React.js, HTML, CSS, JavaScript	<b>ML Tools:</b> TensorFlow, OpenCV, scikit-learn
<b>Backend:</b> Flask, PHP, Node.js, MySQL	<b>Languages:</b> Python, Java, C++, C
	<b>Other:</b> Git, REST APIs

### INTERN EXPERIENCE

**Guires Solutions Pvt Ltd - Chennai, Tamil Nadu 600034** **Jan 2025 - March 2025**

- Assisted in managing and optimizing production workflows to ensure timely delivery of software projects.
- Collaborated with cross-functional teams to identify inefficiencies and suggest process improvements.
- Gained practical experience in real-time project handling, task tracking, and documentation.

### PROJECTS

#### Resume Screener Web App :

- Built a web app to automatically screen and rank resumes based on job criteria using ML models.
- Enabled resume upload and extraction of key details like skills, experience, and education.
- Designed a simple UI to display matching scores and improve the hiring process efficiency.

#### Volume Control Using Hand Gesture :

- Developed a hand gesture-based volume control system using Python, OpenCV, Mediapipe, and Pykaw for real-time audio adjustment.

#### Depression and Anxiety Predictor Web App :

- Python, Flask, HTML, CSS, JavaScript, Machine Learning, scikit-learn
- Integrated a logistic regression/classification model to analyze questionnaire data and provide mental health insights.

#### Sign Language detector :

- Developed a machine learning-based sign language detector that recognizes hand gestures in real-time.
- Used OpenCV and a trained classification model to interpret signs and convert them into readable text.

### EDUCATION

**B.Tech CSE ( Artificial Intelligence and Machine Learning )** **2022 - 2026**

Sri Ramachandra Institute of Higher Education and Research

### ADDITIONAL INFORMATION

- Languages:** English, Tamil.
- Certifications:** Udemy - Beginning C++ Programming - From Beginner to Beyond.
- Publications :** A Book Chapter on Pneumonia detection using ResNet 50.

### Key Achievements

- Developed an Android-based "Smart City" tourism app using Android Studio, improving navigation and local information access for tourists.
- Participated in Tech Expo at SRET, presenting an innovative project on Collision Detection.
- Participated in Smart Hack 2024 Hackathon, Hyderabad, collaborating on innovative AI/ML solutions.