

# SREESANTH R

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## Professional Summary

Second-year AIML student passionate about building scalable software and exploring machine learning applications. Oracle Certified in Cloud Infrastructure AI Foundations with experience in web development using React and TypeScript. Actively learning data structures, algorithms, and system design while contributing to real-world projects through internships.

## Technical Skills

**Languages:** Python, JavaScript, TypeScript, Java, C, C++, HTML, CSS

**Web Technologies:** React.js, Node.js, Express.js, Firebase, Flutter, Streamlit

**ML & Data:** TensorFlow, Keras, scikit-learn, Pandas, NumPy, CNN, LSTM, GRU

**Hardware & IoT:** ESP32, Arduino, Flex Sensors, IMU, MQTT Protocol

**Tools:** Git, VS Code, Jupyter, Figma, MongoDB, Firebase

## Experience

### Web Development Intern

Jan 2025 – May 2025

*MotionCut*

Remote

- Contributed to 5 web development projects using HTML, CSS, JavaScript, and React
- Debugged and resolved 10+ issues in project deliverables, improving code quality
- Implemented responsive design principles ensuring cross-device compatibility

### Machine Learning Intern

Nov 2024 – Dec 2024

*Coincent & Fox Trading Solutions*

Remote

- Developed 5 machine learning models using Python, pandas, and NumPy for predictive analytics
- Implemented data preprocessing and feature engineering techniques to optimize model training
- Collaborated with team to ensure data confidentiality and adherence to industry standards

### AI Intern

Dec 2024 – Jan 2025

*Edunet (Microsoft, AICTE, SAP)*

Remote

- Selected for 4-week internship program on AI technologies through Microsoft-SAP-AICTE partnership
- Developed 3 AI project prototypes to solve real-world challenges using Python and TensorFlow

### Freelance Designer & Developer

2021 – Present

*Self-Employed*

Remote

- Delivered 50+ design assets and web solutions for 20+ clients with 95% satisfaction rate
- Contributed to open-source projects on GitHub focusing on web applications and ML tools

## Projects

### AI Smart Glove | *ESP32, TensorFlow, Flutter, MQTT* | GitHub

Jan 2025

- Built real-time wearable glove converting sign language to speech and text using CNN, LSTM, and GRU models achieving 95% accuracy
- Implemented dual-mode system with offline edge AI on ESP32 and cloud-based full ASL recognition supporting 650+ gestures and 8 languages

### FisherMate AI | *TypeScript, React, Firebase, Gemini API* | GitHub

Jul 2025

- Built multilingual AI platform for fisherfolk with real-time weather visualization and conversational AI features
- Implemented responsive full-stack solution using TypeScript, React, and Firebase

### Brain Tumor Detection | *Python, TensorFlow, Keras, CNN* | GitHub

May 2025

- Built CNN-based classification model for MRI scan analysis achieving 94% accuracy on 3,000+ medical images
- Implemented data augmentation and preprocessing pipeline improving model generalization and reducing overfitting

## Education

### St. Joseph's College of Engineering

Aug 2024 – May 2028

*Bachelor of Technology in Artificial Intelligence & Machine Learning, CGPA: 8.24*

Chennai, India

## Certifications & Achievements

- Salesforce Certified AI Specialist
- Oracle Cloud Infrastructure 2025 certified AI Foundations Associate
- Won 1st Place in Team Coding competition at SYNEXIA 2025, Agni College of Technology
- Secured 2nd Place in DecodeX competition at National Symposium organised by Agni College of Technology
- Active contributor to open-source projects on GitHub