

DHEERAJ AMARAVADI

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CAREER OBJECTIVE

Passionate Computer Science undergraduate driven by technology, motivated to deliver innovative solutions to real-world problems. Excellent skill set in time management, communication and prioritization. Eager to collaborate effectively, make significant contributions and continuously expanding my skill set and expertise.

WORK EXPERIENCE

Junior Developer | ILaqa Technologies (Remote) | July 2024 – February 2025

- Developed and maintained APIs using Node.js, collaborated on database solutions with MongoDB, and enhanced application performance and scalability, contributing to improved system efficiency.

Freelance Remote LLM Trainer & Coding Expert | Outlier.ai (Remote) | May 2024 – June 2024

- Contributed to training generative AI models by evaluating and ranking code, crafting computer science questions, and providing detailed feedback on AI-generated code in Python to ensure accuracy and efficiency.

Python Developer | Techplement (Remote) | April 2024 – May 2024

- Developed a Python project for object recognition and classification using OpenCV and TensorFlow, enhancing image processing capabilities.

PROJECTS

Crop Recommendation System

- Built a 97% accurate ML model predicting suitable crops based on soil and environmental parameters.
- Utilized Random Forest, Decision Tree, Logistic Regression, and Gaussian Naive Bayes algorithms.
- Tech Stack: Python, Scikit-learn, Flask
- GitHub: <https://github.com/AMARAVADIDHEERAJ/Crop-Recommendation-System>

ECGNET: A Deep Learning Approach for Rapid Arrhythmia Classification

- Designed a 2D CNN model with data augmentation to classify ECG signals.
- Achieved 95.3% accuracy, reducing false positives in arrhythmia detection.
- Tech Stack: Python, TensorFlow, Flask, OpenCV
- GitHub: <https://github.com/AMARAVADIDHEERAJ/Enhanced-Arrhythmia-Detection-System-Using-ECGNet>

Network Intrusion Detection System

- Developed a deep learning-based IDS using 1D CNN and Adam optimizer.
- Balanced imbalanced datasets using SMOTE and achieved 98.59% accuracy.
- Tech Stack: Python, TensorFlow, Pandas, NumPy
- GitHub: <https://github.com/AMARAVADIDHEERAJ/Network-Intrusion-Detection-System-Using-Deep-Learning>

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, SQL

Tools & Technologies: Node.js, Oracle SQL, MongoDB, Postman(API Testing), Git, POWER BI

Core Competencies: Data Structures, Algorithms, Object-Oriented Programming, Machine Learning, Artificial Intelligence

CERTIFICATIONS

- Oracle Cloud Infrastructure 2024 Generative AI Professional | Oracle | [certification](#)
- Intermediate Machine Learning (Kaggle Certification) | [certification](#)
- Salesforce Administrator Certification | PreludeSys Academy
- 30 Days of Google Cloud Program | GCP | [GCP Profile](#)

EDUCATION DETAILS

B. Tech | CSE with specialization in Artificial Intelligence and Machine Learning | 2020 - 2024

Vellore Institute of Technology, Chennai | **CGPA: 7.76**