

Nandhana Yazhini R

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Education

Sri Ramakrishna Engineering College, B.Tech in Artificial Intelligence and Data Science Sept 2023 – May 2027

- **Coursework:** Machine Learning, Deep Learning, Natural Language Processing, Cybersecurity, Computer Vision.

Experience

Internships

Data Science Intern – Ardhas Technology, Coimbatore

Assisted in developing ML models for classification and prediction tasks using Python and Scikit-learn.

Hackathons

- 24-Hour Hackathon on Optimized Smart Grid Management – CARE College of Technology, 2024
- Smart India Hackathon 2024 – National Level

Research Experience

Worked on an IEEE paper titled “A Smart Web-Based Skin Disease Analyzer Using Deep Learning and Computer Vision Techniques.”

Projects

Skin Disease Analyzer

- Developed a web-based system to classify and detect 8 skin diseases using a CNN model.
- Tools: Python, Flask, TensorFlow/Keras, HTML, CSS, JavaScript.

AI-Enabled Traffic Management System

- Built an intelligent traffic control system using YOLOv8 for real-time vehicle detection and traffic optimization.
- Tools: Python, YOLOv8, OpenCV, Flask, HTML, CSS, JavaScript.

Hand Gesture-Based Light Intensity Control

- Designed a system to control light intensity in real time using hand gestures.
- Tools: Python, OpenCV, Arduino Uno, Arduino IDE.

Skills

Programming Languages: Python, C++, Java, SQL.

Web Technologies: HTML, CSS, JavaScript, Flask.

ML/DL Frameworks & Tools: TensorFlow, Keras, YOLOv8, Scikit-learn, Pandas, NumPy.

Databases: Microsoft SQL Server, MySQL.

Professional Summary

Pre-final year AI & Data Science student with hands-on experience in 3 AI/ML projects (deep learning, NLP, computer vision). Currently pursuing Full Stack Development training at Spotknack and skilled in web-based applications. Attended workshops on Cloud Computing, CUDA C, and NVIDIA technologies. Seeking opportunities in AI, software development, and full-stack solutions.