Thogata Madam Hari Ram

Kurnool,Andhra Pradesh, India | tmhariram1237@gmail.com | 8341300541 | Website

linkedin.com/in/hari-ram-thogata-madam | github.com/hariram130303

Summary

Results-oriented software developer with a strong foundation in building and deploying full-stack web applications. Proficient in developing robust backend services with **Node.js**, and creating dynamic, responsive user interfaces with **React.js**.

Applying for Full-time Backend Python + Frontend Next.js/React.js Developer role

Education

JNTU Anantapur, B.Tech in Computer Science   Dec 2021 – April 2025
- GPA: 8.09/10.0 (73.4%)
- **Relevant Coursework:** Data Structures and Algorithms, Operating Systems, DBMS, Software Engineering

Internships

Machine Learning Intern, – Slash Mark IT Solutions   May 2024 – July 2024
- Engineered a RESTful API using **Python** and **Flask** to power a spam detection service, capable of processing and classifying over 5,000 email samples with high accuracy.
- Developed a scalable backend system for time-series forecasting, delivering stock price predictions through well-defined API endpoints consumed by a frontend dashboard.

Deep Learning Intern, – IIITDM Kurnool   Dec 2024 – April 2025
- Role in the development of a UAV-based crop monitoring system using multispectral imagery
- Trained CNN models to detect drought stress with 92decisions.
- **Image Collection:** UAV captures overlapping RGB images from a fixed altitude over agricultural fields.
- **Image Pre-processing:** Images are stitched into a high-resolution mosaic using photogrammetry techniques.
- **VARI Computation:** VARI values are computed for each pixel to indicate vegetation health.
- **Vegetation Analysis:** Based on VARI, the land is classified into vegetation health categories, and the percentage of each class is estimated.

Projects

Leaf Agri App – AI-based Agriculture Assistance Platform   GitHub | Live Demo
- Developed an AI-powered system for crop disease detection to support farmers.
- Built a Flask backend to process and classify plant leaf images.
- Provided real-time disease suggestions and actionable solutions.
- **Tools Used:** Python, Flask, Machine Learning

Spam Email Classifier – ML-based Email Filtering   GitHub | Live Demo
- Built a spam detection model using Naive Bayes and Support Vector Machine (SVM).
- Applied NLP techniques like TF-IDF and stopword removal on text data.
- Achieved **95% accuracy** and deployed as a Streamlit web app.
- **Tools Used:** Python, Scikit-learn, NLP, Streamlit

Music Recommendation System   GitHub | Live Demo
- Developed a web-based music recommendation system using content-based filtering (cosine similarity).
- Built a React.js frontend and Flask backend to serve recommendations via REST API.
- Designed interactive UI for song search, browsing, and recommendations.
- **Tools Used:** Python (Flask), React.js, CSV dataset, JavaScript, HTML, CSS

Pocket Notes – Responsive Note-Taking Web App   GitHub | Live Demo

- Built a responsive and user-friendly note-taking web application with group-wise note organization.
- Implemented dynamic group creation with automatic icon generation using the group name initials.
- Designed a fully responsive layout with collapsible sidebar for mobile view and dual-pane desktop UI.
- Persisted notes and group data using **LocalStorage** for seamless offline access.
- **Tools Used:** React.js, CSS Modules, JavaScript, LocalStorage

Certifications

- Hacker Rank - Front End Developer (React) | Credential Link
- Python Basics for Data Science – IBM (EDX) | Certificate Link
- Python for Machine Learning and Data Science Masterclass – Udemy | Certificate Link
- Supervised Machine Learning: Regression and Classification (Coursera) | Certificate Link

Technologies

Frontend	React.js, Next.js, JavaScript (ES6+), HTML5, CSS3
Backend	Python, Node.js, Flask, Express.js
Databases	SQL (PostgreSQL, MySQL), MongoDB
Tools & Concepts	Git, Docker, REST APIs, Agile Methodologies, CI/CD