PONNAPALLI MAHESH · Portfolio

📞 +91 7981937660 — ✉ ponnapallimahesh49@gmail.com — 🔗 linkedin.com/in/ponnapalli-mahesh — 🐙 github.com/ponnapallimahesh49

OBJECTIVE — Recent graduate and React.js-focused Frontend Developer with hands-on experience building responsive and scalable web applications. Proficient in modern JavaScript (ES6+), React, and UI/UX best practices, with practical exposure to API integration and full-stack deployment. Possesses intermediate-level Node.js skills for backend interaction and application logic.

EDUCATION

BACHELOR OF TECHNOLOGY - *(ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING)*
VASIREDDY VENKATADRI INSTITUTE OF TECHNOLOGY   *2021–2025 — CGPA: 8.2*

PROJECTS

AGRI-MANAGEMENT SYSTEM — *Github link*   ***(Tech Stack — Python, Django, MySQL, Machine Learning, NLP, AWS)***
- Seasonal Crop Suggestion: Implemented an ML model to suggest crops based on environmental and seasonal parameters.
- Crop Yield Prediction: Built a predictive model to estimate crop yield using historical data like soil type and rainfall.
- Weather API Integration: Fetched real-time weather data using OpenWeatherMap API to enhance prediction accuracy.
- NLP-based Agriculture Chatbot: Trained a chatbot using CSV datasets to answer common agricultural queries dynamically.
- Deployment: Deployed the application on AWS for demonstration.

React.js Functional Expertise   ***(Tech Stack —- React.js (Hooks, Routing, Pagination, Search, API Integration, Context API,REDUX))***
- Implemented core React.js features including Hooks (state & effects), API integration, routing, forms, pagination, search, filtering, and responsive UI layouts, while applying strong JavaScript (ES6+) concepts such as async programming, array/object manipulation, and conditional rendering to build reusable and performant components. Showcased these implementations through multiple GitHub repositories with live deployments on platforms like Vercel and Netlify.
- **GitHub:** github.com/ponnapallimahesh49   **Live Projects:** Pagination — project on Redux — Working on API

WEATHER FORECASTING WEB APPLICATION — *Github link*   ***(Tech Stack —- Html,css, js ,OpenWeatherMap API)***
- Developed a dynamic Weather Forecasting Web Application to provide real-time weather updates.
- Integrated the OpenWeatherMap API to fetch weather data based on user location or city input.
- Integrated front-end and back-end components for personalized, mood-based music experiences.
- Displayed key weather information such as temperature, humidity, wind speed, and weather conditions.

EXPERIENCE

AI-ML Virtual Internship   **OCT 2024 - DEC 2024**
- Gained foundational knowledge in AI-ML tools, including deploying models and integrating AI solutions into applications. Acquired experience with cloud-based AI technologies

Technical Skills

Programming Languages:	Python, Core Java, OOP
Problem Solving:	Data Structures and Algorithms
Front-End :	HTML, CSS, Bootstrap, JavaScript, Tailwindcss, Reactjs, Redux, ContextAPI, MaterialUI, API
Backend :	NodeJS, Flask and FAST API (Intermediate)
Tools/Technologies:	VS Code, Git, Machine Learning, postman
Database Management:	MySQL

CERTIFICATIONS

Javascript(GeeksforGeeks) — *View certificate*
Generative AI By Google cloud (L4G) — *View certificate*
Certified in Responsive web design (NXTWAVE) — *View certificate*
Certified in Fullstack Development (Udemy)
Goldman Sachs Operations Job Simulation on Forage(Goldman Sachs) — *view certificate*
Certified in python (Hackerrank) — *view certificate*
SQL(NXTWAVE) — *View certificate*

ACHIEVEMENTS

— **Published a paper on final year project i.e; AGRI-MANAGEMENT.**
— **Consistently achieved top-tier performance on HackerRank's Python course 5-Star rating in Python on HackerRank.**
— **Achieved 50+ badges in Google Skills Boost**