Manohar Chakali

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Career Objective

Driven and ambitious B.Tech student with a passion for excellence and pro active approach to learning. Committed to delivering high quality results with a strong work ethic and unwavering dedication. Seeking opportunities to leverage technical expertise and innovative thinking to contribute to the success of a dynamic organization while continuously enhancing personal and professional growth.

Education

Vimala English Meduim School **Nandyal, Andhra Pradesh**
Secondary School, GPA: 8.9/10 *2020*

Rao's Juniour Collage **Nandyal, Andhra Pradesh**
Intermediate in MPC (Maths, Physics & Chemistry), Score: 944/1000 *2020–2022*

Projects

Transforming Agriculture with AI: Automated Crop Disease Diagnosis : Developed an AI-powered crop disease detection system using deep learning and CNNs, with image preprocessing, feature extraction, and transfer learning (ResNet, VGG16). Integrated Grad-CAM for explainability and deployed with TensorFlow Lite. The platform includes an e-commerce module for agricultural products, offering AI insights and seamless purchasing for farmers.

AI NUTRITIONIST: The AI Nutritionist is a web application that analyses food photos to determine item types, portion sizes, and nutritional content using Google's Generative AI and Gemini Pro Vision API. It determines food safety, provides individualised dietary advice, and computes calorie counts. The platform's sophisticated AI capabilities and user-friendly interface enable users to make well-informed dietary choices and enhance their general well-being..

Hospital Management System In Web Development: Developed a real-time web application using Flask, Node.js, and React to monitor and respond to patient queries. Flask handled API requests and database management, while Node.js enabled real-time communication via WebSockets. The React frontend offered an interactive interface for patients to submit queries and receive instant responses.

Personal Portfolio Website: Created a personal portfolio website to showcase software development projects, including AI-driven applications and machine learning models. Highlights include Crop Disease Detection, and Artificial Intelligence Nutrition Advisor. Demonstrates proficiency in full-stack development with HTML, CSS, JavaScript, and Flask, offering project descriptions, code snippets, and interactive demos.

Technical Skills

Programming Languages: C, Python, Java, SQL

Web Development: HTML, CSS

Tools: Google Collaboratory, MySQL, Jupyter Notebook, VS Code, Dev C++, Eclipse IDE

Certificates

Python certificate from Infosys

Interests

Technology: Web Development, Machine Learning, Database management, Data Analysis, Internet of Things.

Hobbies: Photography, Reading Books,Palying Cricket, Watching Movies & Series