Charan Yedida

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Summary

AI/ML enthusiast with strong foundations in deep learning, model deployment, and full-stack development. Adept at building end-to-end intelligent systems and scalable apps. Passionate about using tech for real-world innovation.

Education

SRKR Engineering College, Bhimavaram   2022 – 2026
B.Tech in Artificial Intelligence and Machine Learning   CGPA: 9.10

Nxtwave Disruptive Technologies   Jan 2024 – Present
Industry Ready Certification in Full-stack Development

Sri N.G.R Junior College, Nagaram   2020 – 2022
Intermediate (MPC)   Score: 95.2%

Nalanda Public School, Razole   2019 – 2020
SSC   Score: 99.0%

Skills

Frontend: HTML, CSS, Bootstrap, JavaScript, React.js
Backend: Python, Node.js, Express.js
Databases: MongoDB, SQLite
ML/AI: TensorFlow, Keras, OpenCV, Transformers, NLTK
Other Tools: Git, Linux, Streamlit, Docker, REST APIs, CI/CD, AWS, DevOps

Projects

Smart Research Assistant
Built an AI tool that extracts, summarizes, and answers from PDFs/TXT. Logic-based challenge mode. Dual inference via local OpenRouter models. Streamlit-powered interface.
Tech Stack: Python, Streamlit, Hugging Face, OpenRouter API, NLTK, GPT-2
Outcome: Enabled real-time document interrogation and adaptive learning via AI-driven logic mode.

DeepFake Detection System
Binary classifier to detect fake/real face images using CNNs and transfer learning. Trained on 400K+ images, robust on unseen data.
Tech Stack: Python, TensorFlow, OpenCV, CNN
Outcome: Achieved high validation accuracy; built a scalable pipeline for facial forgery detection.

Nxt Trendz – E-commerce Clone
Amazon-style site with auth, routing, product display, and protected pages.
Tech Stack: React.js, JS, CSS, JWT, REST API
charantrendz.ccbp.tech
Outcome: Demonstrated full-stack capability by mimicking enterprise-grade UI/UX and flow.

QuizMaster – AI-Powered Quiz Engine
Quiz app with 30+ categories and DeepSeek AI for live feedback and guidance.
Tech Stack: JS, Bootstrap, Node.js, OpenRouter API
QuizMaster Link
Outcome: Transformed quizzing into an interactive AI-powered learning assistant.

Certifications

- **Google Cloud Foundations** – Core services, virtualization, GCP tools, BigQuery, cloud deployment.

- **DevOps – NIELIT** – CI/CD pipelines (Jenkins, GitHub), Docker, Kubernetes, automation strategies.

- **NxtWave MERN Stack Track** – React.js, Node.js, Express.js, MongoDB, REST APIs, JWT auth.

- **AI/ML Deployment – NxtWave** – Supervised learning, CNNs, model deployment, OpenCV, Transformers.

Achievements & Activities

- Selected – **Smart India Hackathon**

- **Organizer** – HackOverflow Hackathon, SRKR

- **Co-Organizer** – Vedic Vision Hackathon, SRKR

- **Organizer,Lensman** – SRKR Inter-College Sports Technical Events