Payidi Venkat Sainath

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SKILLS

Web Development: JavaScript, React.js, Express.js, Node.js, SQL, Bootstrap, CSS, HTML

Data Science and Analytics: Python, Machine Learning, Deep Learning

CS Fundamentals: Data Structures and Algorithms

Platforms: Postman, Git, TensorFlow, Matlab, Google Colab

EDUCATION

National Institute of Technology,Andhra Pradesh, 2020 – 2024
Bachelor of Technology in Electrical and Electronics Engineering
CGPA : 7.94

Narayana Junior College, *Intermediate*
MARKS: 972 out of 1000

Sri Chaitanya Techno School, *Secondary Education*
GPA: 10

EXPERIENCE

VIsakhapatnam Steel Plant, *Intern* 06/2022 – 07/2022
- Analyzed Variable Voltage and Variable Frequency Drives for Electric Overhead Travelling (EOT) cranes.
- Specialized in DC Drive *motors* with extensive practical knowledge.

PROJECTS

Web Dev Tools (Open Source), *(Live Site)*
Project*:* Web Dev Tools is a website designed to empower web developers with a wide array of code samples and snippets
Technologies**:** React.js, Node.js, CSS, GitHub API, Tailwind
- Introduced a web tool for developers to share open-source projects, showcasing GitHub data (stars, updates, language) with dark mode,boosted engagement by 30% based on GitHub analytics

Assessment and Comparison of Classical and Machine Learning based Load Forecasting for Smart Grid
Technologies**:** Machine Learning, Python, NumPy, Pandas, Scikit learn, Matplotlib, TensorFlow.
- Developed and implemented ML models (Multiple linear regression, Artificial neural network, Gated Recurrent Unit, Exponential Smoothing) for load forecasting across 5 state centers, achieving a 99.12%-99.55% reduction in MSE with ANN and GRU over traditional methods.

Flower Classification using TensorFlow
Technologies**:** Machine Learning, Python, TensorFlow, Keras, Matplotlib, Gradio.
- Built a CNN-based flower classifier with TensorFlow (85.46% accuracy) and an interactive Gradio interface for image uploads and real-time webcam classification

CERTIFICATES

- NPTEL - Natural Language Processing
- NPTEL- Data Base Management System
- Game Development using Pygame