

PAYIDI VENKAT SAINATH

Bangalore, India | +919390957670 | venkatsai2027@gmail.com | [LinkedIn](#) | [Github](#) | [Portfolio](#)

SKILLS

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

Artificial Intelligence: Python, Machine Learning, Deep Learning, Natural Language Processing

Computer Science Fundamentals: Data Structures and Algorithms, DBMS, Object Oriented Programming

Tools: 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: 972/1000

Sri Chaitanya Techno School

Secondary Education

CGPA: 10.0

EXPERIENCE

Visakhapatnam Steel Plant

June 2022-August 2022

Intern

- 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](#))

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 Machine learning 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

CERTIFICATONS

NPTEL - [Natural Language Processing](#) | NPTEL - [Database Management System](#)