Venkatakrishnan E

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Codeforces: vke.1743

Summary

Second-year B.Tech student in Artificial Intelligence at IIT Gandhinagar with expertise in Machine Learning.

Education

B.Tech in Artificial Intelligence, IIT Gandhinagar | 2023–2027

CPI: 8.74 | SPI: 9.18

Grade 10/10 in Machine Learning

Class 12, Geetanjali Olympiad School, Bengaluru | 2023

Grade: 95%

Class 10, National Centre for Excellence, Bengaluru | 2021

Grade: 94.4%

Skills

• Programming Languages: Python, C, C++

• Machine Learning Frameworks: TensorFlow, PyTorch, Keras, Scikit-learn

• Artificial Intelligence: Deep Learning, Generative AI

• Web Development: React.js, FastAPI, JavaScript, CSS

Projects

IDPAC AI (LangChain, Pinecone, Streamlit)

• Intelligent Document Parsing

• Conversational AI Integration

Student Course Management System (FastAPI, SQLAlchemy)

• Designed and developed an end-to-end REST API for managing students and courses using FastAPI.

• Implemented key functionalities such as student registration, course assignment, and grade tracking.

Flight Price Prediction (Flask, Random Forest, Bootstrap)

• Implemented a Flight Price Prediction system using Random Forest, achieving high accuracy.

• Built a user-friendly web interface with Flask and Bootstrap.

Positions of Responsibility

• Class Representative, Artificial Intelligence, IIT Gandhinagar | Aug 2024 -Present

• Senior Marketing Executive, TEDxIITGandhinagar | July 2024 - Present

• Academic Discussion Hours (ADH) mentor for MA 104 Ordinary Differential Equations, IIT Gandhinagar | Jan 2025 - Present

• Volunteer at Nyasa, IIT Gandhinagar | Jan 2025 - Present

Achievements

• JEE Advanced 2023: AIR 2341

• JEE Mains 2023: AIR 3464