Geofray Paul J

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₽ PROFILE

Versatile software developer with strong expertise in AI, Machine Learning, Deep Learning, and Full-stack Web Development. Passionate about solving complex problems and collaborating in dynamic environments. Experienced in developing AI models, building web applications, and working with databases. Eager to contribute to innovative projects in a growth-oriented organization.

EDUCATION

B. Tech. Computer Science and Engineering (Specialization in Artificial Intelligence)

Karunya Institute of Technology and Sciences 2020 - 2024

Coimbatore, India

PERSONAL PROJECTS

Face Mask Detection Using Object Detection

Developed a real-time face mask detection system using YOLOv8, enabling accurate identification of masked and unmasked faces in video streams. The implementation enhances safety compliance by effectively handling diverse lighting and angles, ensuring robust performance across various conditions.

Technologies Used: Python, OpenCV, Streamlit, YOLOv8, Ultralytics, Pillow

CO2 Emission Prediction Using Multiple Linear Regression

Developed a CO2 emission prediction model using Multiple Linear Regression, trained on six datasets with over 10,000 cases. The model accurately predicts CO2 emissions by analyzing engine size and fuel consumption, validated through extensive testing to ensure reliability in real-world applications.

Technologies Used: Python, Numpy, Pandas, Scikit-Learn, Matplotlib, Jupyter Notebook

Portfolio Website

The site features a responsive, visually **engaging interface, with seamless navigation** showcasing projects, skills, and accomplishments. Leveraging **Django for backend** functionality, it ensures efficient data management and scalability. Additionally, a **contact form** was integrated to facilitate direct communication and enhance networking opportunities.

Technologies Used: HTML, CSS, Django

& LANGUAGES		
English	Tamil	
Spanish		
A2 Level		

Accenture Developer Virtual Experience Program

Internship

Completed a virtual internship simulating real-world developer responsibilities, gaining practical experience in software development, debugging, and project management. Enhanced technical skills by engaging in task-based scenarios, providing a comprehensive understanding of industry practices.

CISCO AICTE Virtual Internship Program 2023

Completed a virtual internship focused on foundational cybersecurity concepts and practices, developing skills in network security, threat analysis, and vulnerability assessment. Gained hands-on experience with cybersecurity tools and techniques to enhance the security of digital environments.


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Programming Languages - C | Python | C#

Database - MySQL

Artificial Intelligence - Python | GenAI | Computer Vision

Machine Learning - Numpy | Scipy | Pandas | Matplotlib | Scikit-learn

Deep Learning - OpenCV | TensorFlow | PyTorch | Neural Networks | Convolutional Neural Networks (CNNs) | Keras | Recurrent Neural Networks (RNNs)

IT Support - Technical Troubleshooting | System Maintenance | Hardware Diagnostics | Operating systems (Windows)

Web Tech - HTML5 | CSS | React | Django
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○ CERTIFICATES

Artificial Intelligence (AI-900) Microsoft

Introduction To Cybersecurity - CISCO

Cybersecurity Essentials - CISCO

Technical Support Fundamentals (Coursera)

The Bits and Bytes of Computer Networking (Coursera)

Operating Systems and You: Becoming a Power User (Coursera)

System Administration and IT Infrastructure Services (Coursera)

IT Security: Defense against the digital dark arts (Coursera)

TCS NQT - IT (April 2024) (66.44%)

Machine Learning With Python (IBM)

Introduction to Deep Learning & Neural Networks with Keras (IBM)

AWS Machine Learning (Coursera)

Industrial IoT (Coursera)

Cybersecurity and Privacy (NPTEL)

Google Cloud Computing (NPTEL)