Geofray Paul J

geofraypaul1223@gmail.com 📞 +91 9626238711 💥 Geofray Paul in Geofray Paul

₽ Profile

- Graduated from Karunya University with a B.Tech degree, specializing in Artificial Intelligence.
- Seeking to leverage academic background in AI and Data Analytics within a professional environment.
- Developed strong analytical thinking and problem-solving skills through hands-on projects and coursework in AI and Machine Learning.
- Gained experience working on real-world problems, including:
 - Developing a deep learning model for image recognition.
 - Completing a machine learning project focused on predictive analytics.
- Dedicated to continuous learning and eager to contribute effectively to a organization.

Personal Projects

Face Mask Detection Using YOLOv8

- **Developed a real-time face mask detection system** using YOLOv8, an advanced object detection model.
- Implemented the model for immediate detection of face masks in video streams, enhancing health and safety compliance.
- Achieved high accuracy in distinguishing between masked and unmasked faces under various conditions.
- Optimized the model for real-time performance, ensuring minimal latency and effective monitoring.
- Utilized YOLOv8's features to handle diverse lighting and angles, improving the system's robustness.
- 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 with a combination of 6 datasets and over 10,000 cases.
- **Utilized engine size and fuel consumption** as primary input variables to forecast CO2 emissions accurately.
- Achieved reliable predictions by analyzing the relationship between engine size, fuel consumption, and CO2 emissions.
- Validated the model's accuracy through rigorous testing, ensuring its effectiveness in practical, real-world scenarios.
- Technologies Used: Python, Numpy, Pandas, Scikit-Learn, Matplotlib, Jupyter Notebook

Portfolio Website

- Designed and developed a personal portfolio website to showcase expertise in AI, machine learning, and web development.
- Implemented a responsive and visually engaging interface, offering seamless navigation across projects, skills, and accomplishments.
- Utilized Django to manage backend functionality, ensuring efficient data handling and scalability.

- Integrated a contact form for direct communication, supporting streamlined networking opportunities.

Technologies Used: HTML, CSS, Django

🖶 Professional Experience

Accenture Developer Virtual Experience Program

Internship

- Completed a virtual internship simulating real-world developer responsibilities.
- Gained practical skills in software development, debugging, and project management.
- Enhanced technical and collaborative abilities by working through task-based scenarios.

CISCO AICTE Virtual Internship Program 2023

- Completed a virtual internship with a focus on foundational cybersecurity concepts and practices.
- Developed skills in network security, threat analysis, and vulnerability assessment.
- Gained hands-on experience with cybersecurity tools and techniques to secure digital environments.

Skills

Programming Languages - C | Python | C# Database -

 ${\bf Database} \ - \ {\tt MongoDB} \ | \ {\tt PostgreSQL}$

 $\textbf{Artificial Intelligence} \ - \ \texttt{Python} \ \mid \ \texttt{GenAI} \ \mid \ \texttt{LLMs} \ \mid \ \texttt{Computer Vision}$

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 | Javascript | React | Django

☐ Industry Certificates

Artificial Intelligence (AI-

900)

Microsoft

Technical Support

TATA Strive Google Certification

Fundamentals

System Administration and IT Infrastructure Services

TATA Strive Google Certification

Machine Learning With Python

IBM

Introduction To Cybersecurity

CISCO

The Bits and Bytes of Computer Networking TATA Strive Google

Certification

IT Security: Defense against the digital dark arts

TATA Strive Google Certification

Introduction to Deep

Learning & Neural Networks

with Keras

IBM

Cybersecurity Essentials

CISCO

Operating Systems and You: Becoming a Power User TATA Strive Google Certification

TCS NQT - IT (April 2024)

66.44%

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

Karunya Institute of Technology and Sciences 2020 - 2024 Coimbatore, India

XII

The Vikasa School 2019 - 2020 Tuticorin ISC

χ

The Vikasa School 2017 - 2018 Tuticorin ICSE

∭ Courses

Industrial IoT (Coursera)

Google

AWS Machine Learning (Coursera)

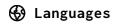
Amazon

Cybersecurity and Privacy

NPTEL

Google Cloud Computing

NPTEL



English • Tamil • Spanish