

Paul Samuel W E

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Education

St John's Mat Hr Sec School SSLC	Chennai, IN May 2020
Vidhya Vikashni Mat Hr Sec School HSC	Tiruppur, IN May 2022
Kumaraguru College of Technology Bachelor of Technology in Artificial Intelligence and Data Science	Coimbatore, IN Sep. 2022 – Present

Experience

Winner of Crosscode, Yugam 24 - KCT Kumaraguru College of Technology	Feb. 2024 Coimbatore, IN
<ul style="list-style-type: none">Showcased technical knowledge for cross-code event challenges and outperformed other participantsDemonstrated strong problem-solving and algorithmic skills in competitive coding events	
Participant of Kaggle Kombat, Yuktha 24 - PSG ITECH PSG Institute of Technology and Applied Research	Mar. 2024 Coimbatore, IN
<ul style="list-style-type: none">Engaged in data science challenges on Kaggle, focusing on solving real-world problemsCollaborated with a team to develop predictive models, analyzing and interpreting data using PythonBuilt an outperforming time series model using Recurrent Neural Networks (RNN), Bidirectional RNNs (BRNN), Long Short-Term Memory (LSTM) networks, and the FBProphet library	
Workshop Organizer Kumaraguru College of Technology	May 2024 Coimbatore, IN
<ul style="list-style-type: none">Organized and conducted a workshop - "Generative AI: Hands-on with Transformers" focused on Generative AI, providing hands-on experience with Transformer models.	
Peer Mentor Kumaraguru College of Technology	Aug. 2024 - Present Coimbatore, IN
<ul style="list-style-type: none">Mentored peers on GitHub and Wix prototyping tools, helping them develop their technical and project management skills.	

Projects

Video Dehazing Python, TensorFlow, CNNs, OpenCV, FFmpeg, Git, VSCode	Sep. 2023
<ul style="list-style-type: none">Worked on dehazing video frames to enhance clarity under challenging conditions to aid fire rescue operationsUtilized deep learning techniques, including Convolutional Neural Networks (CNNs), for image processing.Employed tools like OpenCV, FFmpeg, Git, and VSCode to improve the quality of video frames.	
AutoGrader YOLO, Roboflow, Ultralytics, Python, Streamlit, TensorFlow, Excel	Mar. 2024
<ul style="list-style-type: none">Developed an OCR-based system to automate the grading of scanned answer scripts.Captured marks from scanned documents and automatically entered them into Excel for seamless processing.Utilized YOLO for object detection and OCR to recognize handwritten text.Streamlined the grading process, reducing manual effort and increasing efficiency.	

Technical Skills

Languages: Python, R

Frameworks: Streamlit, TensorFlow, Ultralytics

Developer Tools: Git, VS Code, Roboflow, Excel

Libraries: pandas, NumPy, Matplotlib, OpenCV, Keras, Gymnasium, Sci-kit Learn, YOLO