

# Paul Samuel W E

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## EDUCATION

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

## EXPERIENCE

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

## PROJECTS

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

## 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