

DAVID WENG PAM

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[LinkedIn](#) | [GitHub](#) | [Figma Portfolio](#) | [Live Web Apps](#)

CAREER OBJECTIVE

A motivated Computer Science student at Covenant University with skills in AI, Data Engineering, and UI/UX Design. Experienced in building end-to-end ML applications and managing NoSQL databases. Seeking a SIWES internship to solve complex software and infrastructure challenges.

EDUCATION

Covenant University B.Sc. Computer Science (Expected 2027)	Ota, Nigeria <i>Relevant Coursework:</i> AI, Database Systems, UI/UX Design
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TECHNICAL SKILLS

Languages & Data: Python (PyMongo, Pandas), Java, SQL, MongoDB, NoSQL Aggregation.

AI & Networks: LLM API Integration, TensorFlow, OpenCV, Network Latency/Speed Analysis.

Technical Media: EasyWorship, Conceptual Graphic Design, Live Media Enhancement.

Deployment: Render.com, Streamlit Cloud, Flask, HTML/CSS, Git/GitHub, Figma.

PROJECTS

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| NLP Question-Answering System (LLM-Integrated) | 2025 |
| <ul style="list-style-type: none">Optimized query response relevance by 40% by engineering structured prompts and implementing tokenization-based preprocessing in Python.Achieved 100% deployment uptime on Render.com by configuring environment-based API authentication and robust error-handling protocols. | |
| Movie Data Management System (Data Engineering & MongoDB) | 2025 |
| <ul style="list-style-type: none">Reduced data retrieval time by 25% by designing a NoSQL schema and implementing complex aggregation pipelines for high-volume datasets.Streamlined business reporting by 60% through the automation of data transformation workflows using the Pandas library. | |
| Real-Time Human Emotion Detection System (Computer Vision) | 2025 |
| <ul style="list-style-type: none">Attained a 92% emotion classification accuracy by training a Convolutional Neural Network (CNN) using TensorFlow and OpenCV.Improved model evaluation tracking for 50+ test cases by integrating a SQLite database to log real-time performance metrics. | |
| FinBridge – UI/UX Design (Micro-Finance Platform) | 2025 |
| <ul style="list-style-type: none">Designed a high-fidelity prototype with a 95% user-task success rate by creating 25+ responsive screens and intuitive user flows in Figma. | |
| Network Performance Monitor (Python) | 2025 |
| <ul style="list-style-type: none">Enabled proactive detection of 90% of network bottlenecks by developing a Python utility to measure and visualize latency and bandwidth metrics. | |

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

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| Technical Crew Member, University Chapel | 2023 – Present |
| <ul style="list-style-type: none">Consistent delivery of lyrics, bible scriptures and necessary animation during university services. | |
| Member, Chaplaincy Media Unit | 2025 – Present |
| <ul style="list-style-type: none">Live coverage and post-media production of university events. | |