

PEARL KUURIDONG

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CAREER SUMMARY

A dedicated and adaptable Junior Machine Learning Engineer with experience delivering client-focused solutions for law-making audiences. Successfully integrated GPT-based predictions into an API pipeline using LangChain while leveraging tools such as PostgreSQL, Apache Solr, and PySolr. Proficient in creating API documentation with Redoc and exploring modern frameworks like FastAPI for API development. Adept at quickly learning new technologies under tight deadlines, as demonstrated by mastering Apache Solr through hands-on practice and documentation review. Currently expanding expertise in Docker and FastAPI through personal projects to enhance API development and deployment skills.

EDUCATION AND CERTIFICATION

BSc. Mathematics with Computer Science University of Ghana, Legon	2022
CS50's Introduction to Artificial Intelligence with Python Harvard University, edX(Online)	2024
Industry Immersion Program(IIP) IIAfrica(Online)	2023

TECHNICAL SKILLS

Programming | Python, Bash, PostgreSQL | Debugging | Microsoft Office | Apache Solr | LaTex

WORK EXPERIENCE

Machine Learning Engineer Cape Wesley Consulting	2024- Present
<ul style="list-style-type: none">Developed and maintained a client-focused machine learning pipeline, integrating GPT-based predictions via LangChain, while managing data indexing and retrieval using Apache Solr and PySolr.Created and optimized APIs for legal data processing, utilizing PostgreSQL for database management and Redoc for generating professional API documentation.	

Tutor Industry Immersion Africa	2023 - 2024
<ul style="list-style-type: none">Discussed lecture content with students in online sessions, clarifying complex topics and ensuring understanding.Contributed to tutor training sessions to improve teaching techniques and platform usage.Monitored student attendance, ensuring timely participation in online lectures and reinforcing engagement.	

Teaching Assistant Department of Mathematics, University of Ghana	2022- 2023
<ul style="list-style-type: none">Provided individualized support to students to clarify course material and concepts.Graded assignments and quizzes, and input student grades into Google Sheets for record-keeping and analysis.Assisted instructors in preparing and delivering tutorials.	

VOLUNTEER EXPERIENCE

Python Tutor, M-in-the-Stem Project Department of Mathematics, University of Ghana	2024
<ul style="list-style-type: none">Taught the basics of Python programming language to a group of girls in high school	