

Shalom DOSSEH

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PROFILE

Data Professional with a strong foundation in Python programming and a genuine interest in generative AI technologies. Experienced in developing AI-driven applications and collaborating with cross-functional teams to deliver innovative solutions.

WORK EXPERIENCE

Data Science & Analytics - Internship

Jul. 2024 – Apr. 2025

Gozem - Africa's Super App

Cotonou, Benin

- Partnered with Gozem Money leadership to understand data requirements for the pre-launch phase of a new fintech vertical, including data extraction and analysis across large-scale financial datasets for financial forecasting and transaction analytics.
- Utilized Python (Pandas, Scikit-learn), SQL, and Looker Studio to generate actionable insights and align business needs with technical solutions.
- Leveraged SQL and Astro Airflow to design and implement real-time transaction monitoring for **8,000,000+** monthly transactions to detect and prevent fraud, money laundering, and terrorist financing activities.
- Collaborated with the data engineering team to gather, structure, and integrate data from multiple sources into a centralized analytics repository, enabling a unified view of key product insights.

Data Analyst (Ride-hailing) - Internship

Sep. 2023 – Jan. 2024

Gozem - Africa's Super App

Cotonou, Benin

- Executed **65%+** of the squad's quarterly tasks, completing **92%** of high-priority deliverables efficiently.
- Investigated transaction data, detecting and dismantling fraudulent schemes, leading to millions in recovered revenue.
- Performed data integrity checks, identifying and resolving anomalies to maintain accurate reporting.
- Automated routine reporting and analytics tasks, improving efficiency and precision in data insights.

PROJECTS

MyResumo | *Python, Prompt Engineering, Natural Language Processing, FastAPI*

- Built an AI-backed resume generator designed to tailor your resume and skills based on a given job description.
- Leveraged the latest advancements in AI to provide an ATS-friendly resume.
- Innovative tool that helps users create optimized resumes for job applications.

MyTorch | *Python, Computational Analysis, Azure*

- Developed a neural network-based chessboard analyzer from scratch without deep learning libraries.
- Trained models on FEN notation to classify six game states.
- Achieved **90%** accuracy in binary classification and **60-70%** in multi-class tasks.

Gomoku AI | *Genetic Algorithm, Computational Analysis*

- Developed a high-performance Gomoku AI bot using Min-Max with Alpha-Beta pruning and heuristic scoring.
- Designed to compete with GomokuCup AI bots, ensuring efficiency under computational constraints.
- Optimized decision-making for the Gomoku game.

Area | *Lead Developer, Project Management, System Design*

- Managed a team of 3 frontend, 1 mobile, and 2 backend/devops developers to create a web application.
- Develop an application where different services interact with each other, implementing actions and reactions (similar to automation tools like IFTTT).
- Integrate existing libraries and write business logic to glue components together while ensuring proper security and database design.
- Application connecting 14 services and over 32 actions and reactions

EDUCATION

EPITECH - European Institute of Technology

Oct. 2022 – June. 2025

Bachelor's degree, Innovation and Information Technology

Cotonou, Benin

- Cultivated robust skills across various domains of computer science, completing nearly 130 projects and mini-projects. Relevant Courses: Computer Numerical Analysis, Artificial Intelligence, Advanced DevOps, Advanced C++.

SKILLS

Languages: English (Proficient), French (Native)

Programming: Python, SQL, Pandas, NumPy, Scikit-Learn, Looker Studio, Excel, GCP, Azure, MongoDB, Docker, Jenkins, Ansible, Apache Airflow, Git Source Control, Github action, Linux

Soft Skills: Adaptability, Coachable, Problem-Solving, Decision-Making, Effective communication, Active listening

LEADERSHIP & COMMUNITY INVOLVEMENT

Technical Workshop Facilitator

Jan 2025 – Present

Innovation Hub at Epitech

- Hosted Python, DevOps, and AI workshops, mentoring students in technical fields.
- Partnered with industry professionals to deliver hands-on training sessions.

Lead Project Manager

Mar. 2024 – Present

Epitech's Student Bureau

- Led a team of 3 project managers, overseeing 30+ initiatives within time and budget constraints.
- Developed planning & tracking tools to optimize project execution.

Event Manager & Core Member

July. 2023 – July. 2024

Google Developer Students Club

- Organized tech events, hackathons, and networking sessions to engage student developers.
- Drove community initiatives to enhance learning in AI & Google Cloud Technologies.

Social Data Analyst

Dec. 2024 – Jan. 2025

AFRIK EDUTECH - EPITECH X IMPACT

- Conducted impact analysis & forecasting, guiding leadership decisions on program effectiveness.
- Collected & cleaned large-scale datasets for resource optimization.

CERTIFICATIONS

Career Essentials in GitHub Professional Certificate (Github, Expected Feb. 2025)

Data Scientist Certification (Datacamp, Expected Jul. 2025)

AI Engineer for Data Scientists Associate Certification (Datacamp, Expected Sep. 2025)

Certified Associate in Project Management (CAPM) (PMI, Expected Sep. 2025)