
EDMUND ASAMOAH ADOMAKO

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EDUCATION

University of the People, 595 E Colorado Blvd Suite 623, Pasadena, CA 91101, USA

Bachelor of Science in Computer Science, Nov 2024 – Present | Courses • Data Structures and Algorithms, Databases, Operating System, Web Programming

Open Labs Accra, Kokomlemle, Greater Accra

Diploma in Software Development, January 2023 – December 2023

EXPERIENCE

Blossom Academy Limited, Kwabenya, Greater Accra

Software Engineering (National Service), November 2023 – October 2024.

- Developed and maintained educational platforms using React.js, TypeScript, and Python.
- Led a team of 3 junior developers, conducting code reviews and improving code quality standards.
- Optimized platform performance and implemented security protocols, enhancing data protection.

Electricity Company of Ghana

Software Engineer Intern, January 2023 – November 2023

- Developed and maintained both front-end and back-end applications using React.js, TypeScript, and Python.
- Collaborated with cross-functional teams to gather requirements and implement features.
- Implemented security best practices, increasing application reliability and efficiency by 20%.
- Conducted code reviews and provided feedback to maintain a high-quality codebase.

PROJECTS

Personal Finance Tracker

Built a finance tracker application with Django and PostgreSQL as the backend, featuring user authentication using Django's built-in system. Enabled transaction tracking with categories and budgets, integrated data analytics and visualization with Chart.js.

Implemented currency conversion using an external API and provided AI-powered savings tips using basic machine learning algorithms. Allowed exporting of transaction data to CSV for user convenience.

Crypto Arbitrage Alert System Developed a system that fetches real-time cryptocurrency prices from multiple exchanges (Binance and Coinbase). Designed an arbitrage calculator to detect profitable opportunities by factoring in transaction fees. Set up email alerts to notify users when profitable arbitrage opportunities are detected. Created a real-time dashboard using Streamlit to visualize price data and arbitrage potential.

TECHNICAL SKILLS

- **Operating Systems** | Windows • Git • GitHub • Powershell • Bash
- **Programming** | Python • JavaScript • SQL • TypeScript • REST API
- **Development** | Node.js • Django • MySQL Postgres SQL • React • HTML • CSS
- **Tools** | Jupyter Notebook • VS Code • Sublime Text