Emmanuel Hinneh

Winston Salem, NC | thehinneh1@gmail.com | 743 333 0357 | linked.com/in/thehinneh

github.com/thehinneh

Education

Carolina University, M.Sc. Data Science   2022 – 2024

- **Coursework:** Machine Learning, Data Visualization and Dashboarding, Statistics, Python, Databases, Big Data Analysis, Organizational Business Culture

Kwame Nkrumah University od Science and Technology, B.Sc.   2016 – 2020
Electrical/Electronic Engineering

- **Coursework:** Statistics, Calculus, Differential Equations, Numerical Analysis, C

Awards & Recognitions

Student Leadership Award – Carolina University (2024)

- Honored for outstanding leadership contributions and fostering community growth within the university.

Student Service Award – Carolina University (2024)

- Recognized for outstanding commitment to serving the university community and promoting student engagement.

Experience

Software Engineer, Marygold and Co., CO   April 2022 – Jan 2025

- Architected and implemented a scalable full-stack operations platform leveraging Angular and Go, boosting operational efficiency and streamlining workflows across multiple teams.
- Developed robust RESTful microservices, streamlining data processing and achieving 99.9% system availability to support mission-critical operations.
- Collaborated with cross-functional teams, including product managers and UX designers, to deliver scalable, customer-centric solutions on time and within scope.
- Designed and implemented a data pipeline for transaction enrichment, enabling real-time analytics and establishing a daily statistical reporting system that provided actionable insights to leadership.

Software Engineer, Stanbic Bank Ghana – Accra, Ghana   Oct 2021 – April 2022

- Collaborated with a cross-functional team to develop a digital loan processing portal, using Angular for front-end development and integrating RESTful APIs to reduce approval time by 20% and eliminate 90% manual paperwork.
- Led front-end optimization efforts using Angular, enhancing online banking systems with responsive design and seamless API integrations, which reduced load times by 35% and improved customer satisfaction.
- Contributed to building a real-time onboarding platform, developing intuitive user interfaces with Angular and integrating APIs with event-driven microservices, automating KYC verification and streamlining the onboarding process.
- Implemented the front-end architecture for a virtual banking assistant using Angular, integrated with Facebook and WhatsApp APIs, enabling real-time responses to banking inquiries and instant transaction processing, significantly improving user engagement and accessibility.

Projects

GoEasyCLI   github.com/OpenStruct/goeasycli
Command-Line Interface for Streamlined Golang Project Setup

- Developed a CLI tool to automate project creation for Go developers, simplifying tasks such as folder structuring, dependency installation, and initial configuration.
- Integrated support for popular Go web frameworks such as Gin, Fiber, and Echo, enhancing developer flexibility

and reducing setup time by over 50%.

- Designed the architecture to ensure cross-platform compatibility (Linux, macOS, and Windows), boosting accessibility for diverse user bases.
- Ensured high-quality code and user experience by implementing robust error handling, detailed API documentation, and Postman collections for API testing.
- Tools used: Golang, Shell Scripting, Git, GitHub, API Documentation

TaxmeAI   taxmeai.com

- An AI Tax Calculator
- Tools Used: Python, OpenAI, PostgreSQL, React, FastAPI

2019 HackLab Hackathon

- Collaborated on a predictive model for loan default tendencies and implemented blockchain-based ID verification.
- Recognized as the Most Promising and Most Innovative Team in the Competition.
- Tools used: Python, Blockchain, Solidity, IBM Watson, Machine Learning

Technologies & Skills

Programming Languages: Python, JavaScript, Go, TypeScript, SQL

Technologies: TensorFlow, PyTorch, Pandas, Scikit-learn, Angular, React, FastAPI, AWS, GCP, Docker, Kubernetes, Jenkins, GitHub Actions, CI/CD Pipelines, Hadoop, Data Visualization, Machine Learning, Statistics, Agile Development, Accessibility Standards, Cross-Functional Collaboration, MongoDB

Certifications

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