ELIJAH DUMKENECHUKWU USIH

Lagos, Nigeria | +234 8065924354 | elijah.usih@stu.cu.edu.ng | linkedin.com/in/elijah-usih-396b4b257/ | https://github.com/kenee101

SUMMARY STATEMENT

I am a Computer Engineering graduate of Covenant University seeking to further my education, having a passion for technology and a desire to design and develop software and hardware systems. I possess a strong foundation in engineering principles, problem-solving skills, and attention to detail.

GRADUATE OBJECTIVES

I am eager to begin a graduate program to advance my growth as an individual, researcher, and innovator. My goal is to drive meaningful technological change through artificial intelligence applications and attending a world-class institution is a crucial step toward realizing that vision. Additionally, this opportunity would allow me to expand my career, connecting with like-minded peers who share a passion for careers in software development and artificial intelligence.

SKILLS

- Programming Languages: Python, JavaScript, C++, Golang.

- Frameworks and Libraries used: NextJS, ReactJS, Tailwind CSS, NodeJS, ExpressJS, FastAPI, Pytorch, Tensorflow, OpenCV, Langchain, Huggingface, Gin.

- Tools and Databases used: Git, Heroku, MongoDB, PostgreSQL, Redis, Docker, Kubernetes.

EDUCATION

- High School Diploma | Deeper Life High School – Nigeria | Graduation Date - December 2020

- B. Eng Computer Engineering | Covenant University – Nigeria | Expected Graduation Date - September 2025 | Current Grade Level: First Class | CGPA - 4.68/5.0

Relevant Coursework: Applied Computer Programming, Software Development Techniques, Networking Basics, Switching Basic and Intermediate Routing, Applications of Artificial Intelligence, Analog and Digital Electronics, Embedded System Design and Programming, Digital System Design with VHDL, Digital Signal Processing, Cryptography principles, Microprocessor Systems and Interfacing, Computer Networking and Security, Artificial Intelligence and its applications.

EXPERIENCES

- INFORMATION TECHNOLOGY SUPPORT INTERN - VISTA INTERNATIONAL LIMITED, LAGOS, NIGERIA, APRIL 2024 - SEPTEMBER 2024

- STUDENT WORK EXPERIENCE PROGRAM, JULY 2022 - AUGUST 2022

PROJECTS

- Engineered natural language processing models to automate sentiment analysis, streamlining the classification of customer reviews into positive and negative categories.
- Developed regression-based forecasting systems to analyze business trends and predict key performance indicators with high accuracy.
- Implemented robust classification algorithms to categorize complex business datasets, supporting data-driven strategic decisions.
- Designed an association rule learning–based recommendation engine to suggest supermarket products from purchase history patterns.
- Executed clustering models to segment customers into targeted groups, optimizing marketing campaign effectiveness.
- Built artificial neural network architectures to predict employee churn, enabling proactive retention strategies.
- Created recurrent neural network models to forecast stock prices using historical time-series data.
- Engineered deep learning recommendation systems leveraging Autoencoders and Boltzmann Machines for personalized content delivery.
- Trained convolutional neural networks to perform accurate image classification across multiple categories.
- Developed & deployed MaptyWeb, a responsive web application enabling users to track and plan fitness activities, boosting engagement and goal achievement.
- Constructed a YOLOv11-powered real-time traffic detection and tracking system to estimate density from live camera feeds.

LEADERSHIP ROLES

- Member of Technical Crew Association | Covenant University

- Assistant Senior Prefect | Deeper Life High School

CERTIFICATIONS AND COURSES TAKEN

- Python for Computer Vision with OpenCV and Deep Learning by Jose Portilla through Udemy

- TensorFlow 2.0 Deep Learning and Artificial Intelligence through Udemy

- Node.js, Express, MongoDB & More: The Complete Bootcamp by Jonas Schmedtmann through Udemy

- Machine Learning A-Z^{TM}: Hands-On Python & R in Data Science offered by the SuperDataScience Team through Udemy

- Deep Learning A-Z^{TM}: Hands-On Artificial Neural Networks offered by the SuperDataScience Team through Udemy

- The Complete JavaScript Course 2024 by Jonas Schmedtmann through Udemy

- The Ultimate React Course 2024: React, Next.js, Redux & More by Jonas Schmedtmann through Udemy

- Autodesk Certified User: AutoCAD, sponsored by AUTODESK