

OLUYALE EZEKIEL OREOLUWA

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Portfolio: <https://ezekiel-oluyale-portfolio.streamlit.app/>

EDUCATION

Federal University Oye – Ekiti, FUOYE, Ekiti State, Nigeria

July 2025

BSc in Computer Engineering:

First Class. CGPA: **4.51/5.00 (90.2%)**

WORK EXPERIENCE

Elevvo Pathways (Remote)

Title: Natural Language Processing (Intern)

Sept 2025 – Oct 2025

- Applied Natural Language Processing (NLP) techniques to real-world projects such as sentiment analysis, text classification, topic modeling, and resume screening.
- Fine-tuned pre-trained transformer models like RoBERTa, T5, et.c for tasks including text summarization, question answering to improve contextual understanding and accuracy.

Sam Systems and Technologies, Liberty Road, Ibadan, Oyo State, Nigeria

Title: Engineering Staff (Intern)

Apr 2024 – Sept 2024

- Designed Local Area Network (LAN) systems, optimizing network performance and ensuring seamless connectivity across all devices.
- Provided diagnostic and repair services for hardware and software issues brought in by clients, removing viruses and installing software updates.
- Performed routine maintenance and upgrades on clients devices, by conducting thorough diagnostics test to improve system functionality.

Department of Computer Engineering, FUOYE, Ekiti State, Nigeria

Title: Undergraduate Tutor

Jan 2019 – March 2025

- Instructed students on Computer Logic to help apply them into real world problems like implementing AI and ML algorithms for Image recognition.
- Tutored my colleagues in building websites using HTML, CSS, JavaScript and Python Framework (Django).
- Taught game development, focusing on C++ and game engines (Utility, Unreal Engine), equipping them with skills to develop an interactive gaming application that entertains people.
- Conducted tutorial sessions on science courses for students across different academic levels, focusing on understanding problem – solving thereby preparing them for exams, leading to improved academic performance.

PROJECTS

- Implemented an NLP-based system using Sentence Transformers to screen and rank resumes based on job descriptions, helping recruiters identify the most suitable candidates for roles.
- Applied the T5 transformer model to generate concise summaries from lengthy documents, helping users grasp key insights and essential information.

- Implemented a transformer-based system using RoBERTa to extract preferred content, helping users retrieve information from lengthy texts.
- Built a Topic Modeling System using LDA and NMF to discover hidden topics in a collection of news articles enabling users to identify trends across large collections of articles.
- Developed a Named Entity Recognition (NER) Model to extract entities such as people, locations, organizations from article content, to improve search optimization.
- Developed a Machine Learning Model using SVM to classify news articles as Real or Fake enabling users to identify reliable news sources.
- Built a Machine Learning Model using Feedforward Neural Network with Keras to classify news articles into categories such as World, Sports, Business, and Science/Technology helping readers easily access relevant information.
- Developed a Machine Learning Model using Logistic Regression to analyze customer product reviews and classify sentiments as positive or negative to enhance user experience and product quality.
- Designed Machine Learning model using SVM to classify emails in order to filter out malicious activities, thereby protecting users from phishing content.
- Designed a text classification model using SVM to classify texts as Positive, Negative or Neutral, allowing businesses to access real time analysis of customer feedback, helping them re-strategize and make relevant decisions in their businesses.
- Developed a language classification model using SVM to classify texts as English or Yoruba language, helping a business automate language detection, deploy bilingual support agents when needed, and improve customer engagement.
- Developed a food restaurant website using CMS such as WordPress to make booking tables convenient for customers.
- Programmed an algorithm to solve complex problems like Quadratic Equations, Matrix Operations, GPA, CGPA and Calculus, to save time and increase accuracy.
- Developed a password detection system in C++ by implementing a combination of password hashing, brute-force protection, input validation, secure password storage, login attempt tracking, and an alert system to protect user data and prevent unauthorized access.
- Developed a Python – based login system that uses regular expressions (Regex) to authenticate emails and validate passwords, ensuring secure and accurate verification.

RESEARCH WORKS

Automated Stock Market Monitoring System in Federal University Oye – Ekiti, FUOYE, Ekiti State, Nigeria (2025): My undergraduate research project. **(Publication in Progress)**

- Designed an automated stock market monitoring system to identify market trends and help investors make better investment decisions, using machine learning techniques.

SKILLS AND INTEREST

- | | |
|-------------------------------------|--------------------------|
| • Natural Language Processing (NLP) | • Computer Vision |
| • Data Science | • Conversational AI |
| • Machine Learning | • Machine Translation |
| • Deep Learning | • Reinforcement Learning |
| • Large Language Models (LLM) | • Information Retrieval |
| • Speech Processing | • Statistics |
| • Mobile and Web Development | • Planning |
| • Teamwork and Collaboration | • Problem – Solving |

SOFTWARE PROFICIENCY

- Google Colab
- Anaconda Navigator
- Sublime Text
- Excel
- Visual Studio
- Code Block
- Microsoft Word
- PowerPoint

AWARDS AND CERTIFICATE

- **Departmental Prize:** Genius of the Year Award, Department of Computer Engineering, Federal University Oye – Ekiti, 2025.
- **Departmental Prize:** Achieved the highest GPA of 5.0 in the department during the first semester of the 300 & 500 level courses.
- **Award of Excellent Service:** Apostolic Faith Campus Fellowship.
- **Certification:** Python Course from w3schools.
- **Certification:** Web Development Course from w3schools.
- **Certification:** Machine Learning Courses from Coursera & w3schools.
- **Certification:** Natural Language Processing (NLP) Courses from Coursera & Elevvo Pathways.

REFEREES

- **Head of Department | Department of Computer Engineering, FUOYE, Nigeria**
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- **Senior Lecturer | Department of Computer Engineering, FUOYE, Nigeria**
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