

# **OLUYALE EZEKIEL OREOLUWA**

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**Github:** <https://github.com/amusEcode1>

**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**

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| <ul style="list-style-type: none"> <li>• Natural Language Processing (NLP)</li> <li>• Data Science</li> <li>• Machine Learning</li> <li>• Deep Learning</li> <li>• Large Language Models (LLM)</li> <li>• Speech Processing</li> <li>• Mobile and Web Development</li> <li>• Teamwork and Collaboration</li> </ul> | <ul style="list-style-type: none"> <li>• Computer Vision</li> <li>• Conversational AI</li> <li>• Machine Translation</li> <li>• Reinforcement Learning</li> <li>• Information Retrieval</li> <li>• Statistics</li> <li>• Planning</li> <li>• Problem – Solving</li> </ul> |
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## **SOFTWARE PROFICIENCY**

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

## **AWARDS AND CERTIFICATE**

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- **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 Cousera & w3schools.
- **Certification:** Natural Language Processing (NLP) Courses from Cousera & Elevvo Pathways.

## **REFEREES**

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