

# OLUYALE EZEKIEL OREOLUWA

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## EDUCATION

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

**Expected July 2025**

BSc in Computer Engineering:

Second Class Upper. CGPA: **4.48/5.00 (89.6%)**

## WORK EXPERIENCE

**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 (Unity, 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

- Designed Machine Learning models using SVM and KNN to classify emails in order to filter out malicious activities, thereby protecting users from phishing content.
- Designed a text classification model using SVM and LSTM 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 and LSTM to classify texts as English or Yoruba language, helping a business automate language detection, deploy bilingual support agents when needed, and improve customer engagement.
- Built a text summarization tool using Microsoft Azure Text Analytics to generate summaries from lengthy content, improving access to vital information, helping users to quickly comprehend key insights from the content.
- 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

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Automated Stock Market Monitoring System in Federal University of 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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|--|----------------------------|
| • Natural Language Processing (NLP)            | • Data Science             |
| • Digital Speech Processing                    | • Software Development     |
| • Artificial Intelligence and Machine Learning | • Database Management      |
| • Cyber security                               | • Electronics              |
| • Networking                                   | • Robotics                 |
| • Mobile and Web Development                   | • Internet of Things (IOT) |
| • Teamwork and Collaboration                   | • Problem – Solving        |

## SOFTWARE PROFICIENCY

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- |                 |                      |
|-----------------|----------------------|
| • Visual Studio | • Code Block         |
| • Sublime Text  | • Anaconda Navigator |
| • Pycharm       | • Microsoft Word     |
| • Excel         | • PowerPoint         |

## AWARDS AND CERTIFICATE

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- **Departmental Prize:** Genius of the Year Award, Department of Computer Engineering, Federal University of 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 Course from Microsoft & w3schools.

## REFEREES

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- **Head of Department | Department of Computer Engineering, FUOYE, Nigeria**  
**Name:** Dr. Nnamdi Stephen Okomba  
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- **Senior Lecturer | Department of Computer Engineering, FUOYE, Nigeria**  
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