



# DOMINIC OIGO

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## Summary

Highly motivates and results-oriented third-year Software Engineering Student with a strong foundation in Python, Java, MicroPython and C. Possesses Practical Experience in Full-Stack Web Development, Desktop Application Development, Database Management (MySQL, MS Server, SQLite, MongoDB), AI concepts and automation. Also Holds a CPA certificate from Kisii University, demonstrating a strong understanding of financial principles. Eager to apply acquired skills and contribute to innovative software solutions.

## Education

August 2022-July 2026 | **Bachelor of Science in Software Engineering** | **Kisii University** | Kisii, Kisii County, Kenya  
Relevant Coursework: Data structures and Algorithms, Database and DBMS, Software Development (and Engineering principles) Artificial Intelligence, Web Development

2023 | **Certified Public Accountant (CPA) Certificate** | **Kisii University** | Kisii, Kisii County, Kenya

## Working Experience

- ◆ **Freelance Full-Stack Web Developer:** Develop both front-end and (or) back-end web responsive web applications tailored to specific user needs
- ◆ **Freelance Desktop Application Developer:** Develop fully functional desktop applications with modern user interfaces enhancing ease of use and user-friendliness
- ◆ **Technical Consultation:** Provide expert advice and solutions for software, AI and technology challenges.

## Skills

- ◆ **Programming Languages:** Python, Java, MicroPython, C
- ◆ **Web Development:** Full-Stack Development (HTML, CSS, JavaScript, React.js, Django, Flask)
- ◆ **Desktop Application Development:** Java Swing, JavaFX, Python Tkinter, Qt
- ◆ **Databases:** MySQL, Microsoft SQL Server, SQLite, MongoDB
- ◆ **Artificial Intelligence:** Machine Learning, Neural Networks, Neural Language Processing
- ◆ **Automation:** Scripting, Task Automation, Git
- ◆ **Other:** Version Control (Git), Operating Systems (Linux, Windows, Mac, Cloud Computing (AWS, Azure)
- ◆ **Financial Skills:** Accounting Principles, Financial Analysis (CPA course)

## Projects

**Personal Portfolio Websites:** Developed fully custom-made portfolio websites tailored to specific user requirements with inbuilt forms for data collections, feedbacks. The website allows a user to show case their professional skills, achievements and projects  
**Utilized:** HTML, CSS, JS, React.js, FormSpree, Git

**DataHarvest:** An automated data collection and processing Desktop Application. The application aids in data collection from APIs, analyses the collection and visualizes the analysis  
**Utilized:** Python (Pandas, Scikit-learn, Matplotlib, seaborn) PyQt5/Tkinter, SQLite

**TaskMaster:** Automated Task Scheduling and Management System with a user –friendly GUI. This application allows a user to create, schedule and track tasks with features like reminders, dependencies and progress reporting. Utilized a RDB for persistent data storage.  
**Utilized:** Java (Swing, JavaFX), MySQL.

**DataOptics:** AI powered data visualization and analysis tool (Python and AI).

Created a Desktop Application that uses Machine Learning to analyze datasets and generate interactive visualizations. Implemented algorithms for data clustering, anomaly detection and predictive modeling, providing users with insights through dynamic charts and graphs.

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## References

Available upon request