OCHIENG DUNCAN OYUGI

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EDUCATION

BSC Computer Science - Chuka University (September 2021 – To October 2025)

 Graduated with a strong foundation in software engineering, backend development, and artificial intelligence.

Developed practical experience in building scalable systems, secure APIs, and full-stack web applications.

TECHNICAL SKILLS

- Frontend: React.js, Tailwind CSS, Angular, TypeScript, JavaScript
- Backend: Node.js (Nest.js)
- Databases: PostgreSQL, MySQL, SQL
- Dev Tools & Platforms: Git, GitHub, Azure, SSMS
- Other skills: Machine Learning, RESTful API Design, Authentication & Authorization, Email Intergration

PROJECTS

Courier Sendit Management System

Built a full-stack logistics platform enabling users to send and track parcels seamlessly. Implemented role-based authentication for admins, drivers, and clients, and real-time delivery updates using WebSockets.
Tech Stack: NestJS, PrismaORM, PostgreSQL, Angular, Tailwind CSS, JWT Auth, Swagger.

Shoppie App

Developed an e-commerce web application supporting product management, shopping cart functionality, and integrated payment gateways for seamless online transactions.
Tech Stack: React, Redux, TypeScript, NestJS, PostgreSQL, Azure.

Car Rental Management System

Designed and deployed a platform for booking and managing vehicle rentals with integrated online payment and vehicle tracking. Tech Stack: React.js, TypeScript, Redux, Tailwind CSS, NestJS, PostgreSQL, Azure Web Apps.

Class Attendance Management System (Facial Recognition)

Implemented a computer vision-based attendance system using facial recognition technology for automated student verification. Integrated ML models for real-time face detection and recognition.
Tech Stack: Python, OpenCV, Flask, TensorFlow, React, PostgreSQL.

EXPERIENCE

Software Engineering Attachée – Teach2Give Kenya (May 2025 – July 2025)

- Collaborated on full-stack application development using NestJS and React/Angular.
- Implemented backend authentication systems, REST APIs, and database schemas.
- Participated in code reviews, testing, and deployment.
- Gained experience in agile development and real-world problem-solving.

LEADERSHIP AND COMMUNITY DEVELOPMENT

Team Lead-Full Stack Development Projects (2025)

Led development teams in building scalable systems. Oversaw code quality and documentation.

Tech Community Contributor – Chuka University

Organized coding sessions and mentorship programs, promoting web and AI technologies.
Was also a member of GDC club a software development club at Chuka University.
Was a member of Africa's – Talking community in Chuka.

CERTIFICATIONS

- Software Development - Teach2Give July 2025
- Bachelor's Degree in Computer Science – Chuka University