

# Kouamé Issika Aymeric Théophile Cokanh

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## PROFESSIONAL SUMMARY

Motivated Computer Science student with hands-on experience building full-stack web applications, mobile apps, and embedded systems. Proven ability to lead small development teams, ship working products under tight timelines, and apply machine learning to real-world problems. Seeking a software engineering role where I can contribute across the stack and continue growing as an engineer.

## EDUCATION

**Africa Vision University** — Abidjan, Cocody | Sep 2024 – Present  
Bachelor of Science in Computer Science | **GPA: 3.8 / 4.0**

## EXPERIENCE

**Software Engineer (Team Lead)** • University Canteen Project | Apr 2025 – Jun 2025

- Led a cross-functional team to design and deploy the university canteen's web platform, driving a 55% increase in online orders and a 45% reduction in order-processing time.
- Architected a responsive UI with real-time delivery tracking, improving the end-to-end ordering experience for hundreds of daily users.
- Managed sprint planning, task delegation, and code reviews across a team of four developers.

**Embedded Systems Engineer (Team Lead)** • Autonomous Rover Project | Apr 2025 – Jun 2025

- Led a four-person team to design and build an Arduino-controlled autonomous rover equipped with vision, tactile, and audio sensors.
- Achieved 90% obstacle-avoidance accuracy in indoor trials by implementing efficient C++ pathfinding and sensor-fusion algorithms.
- Reduced prototyping costs by ~60% by engineering a low-cost cardboard chassis without compromising functional performance.

## PROJECTS

**University Canteen Mobile App** | React Native, Firebase

- Companion mobile app for the canteen platform, featuring user authentication, live order tracking, and push notifications via Firebase.

**Online Medical Clinic System** | HTML/CSS, JavaScript, PHP, MySQL

- Patient portal supporting appointment scheduling, doctor lookup, and medical record management with role-based access control.

**Stock Market Prediction** | Python, Scikit-Learn, Pandas

- ML model that predicts stock price movement using historical data, feature engineering, and ensemble classification techniques.

**Handwritten Digit Recognition** | TensorFlow, Python

- Convolutional neural network trained on MNIST achieving high accuracy in classifying handwritten digits in real time.

**Image Recognition System** | OpenCV, CNN, Python

- Built a custom CNN pipeline using OpenCV for preprocessing and object classification across multiple image categories.

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, C++, PHP, SQL, HTML/CSS, C#, Dart

**Frameworks & Libraries:** React JS, React Native, Node.js, Express, Flask, Flutter, PyTorch, TensorFlow, Scikit-Learn, NumPy, Pandas, Arduino

**Databases:** MySQL, MongoDB, SQLite, Firebase

**Tools & Platforms:** Git, GitHub, VS Code, PyCharm, Google Colab, Jupyter Notebook

**Core Competencies:** Machine Learning, Full-Stack Web Development, Mobile App Development, Embedded Systems, Team Leadership, Problem Solving

## CERTIFICATIONS

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**JavaScript Algorithms and Data Structures** — *freeCodeCamp* | Aug 2025

Credential ID: fcc765c5443-4e3d-466b-90dd-725f87c51ce6

**Scientific Computing with Python (v7)** — *freeCodeCamp*

Credential ID: fcc765c5443-4e3d-466b-90dd-725f87c51ce6

**Certified AI Foundations Associate** — *Oracle University* | Aug 2025

Credential ID: C2ECBA76D18F1A0B707E25EB6958EB893785CB28ED07901058D5EB557FC7A98B