

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 and data analysis. 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

HONORS & AWARDS

Outstanding Freshman Student Award | 2025

Africa Vision University & Ottawa University

- Recognized for exemplary academic performance in the first year of the Bachelor of Science in Computer Science program, among all students in the School Departement of Computer Technology.

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. 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.

Image Recognition System | OpenCV, CNN, Python

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

Yango Fleet Analysis | Python, Pandas, Matplotlib, Seaborn, Jupyter Notebook

- Conducted a comprehensive comparative analysis of 22 vehicles to optimize Yango fleet composition, evaluating fuel efficiency, monthly profitability, and environmental impact across the entire lineup.
- Engineered a multi-criteria composite scoring system ranking vehicles on MPG, net profit, CO2 emissions, and break-even timeline — identifying the Mitsubishi Mirage as the top-performing fleet choice.
- Produced 9 analytical visualizations (bar comparisons, scatter plots, correlation matrices, pie charts) and a professional results presentation for business decision-makers.

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, PowerBI

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

CERTIFICATIONS

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

Machine Learning with Python (v7) — freeCodeCamp

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

Certified AI Foundations Associate — Oracle University | Aug 2025

Credential ID: C2ECBA76D18F1A0B707E25EB6958EB893785CB28ED07901058D5EB557FC7A98B