

# **Tidjani Adeniran**

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## **Professional Summary**

Detail-oriented Computer Science student passionate about AI, NLP, and web development. Skilled in path planning algorithms like Ant Colony Optimization and building AI-driven solutions. Experienced in web development, AI support, and teaching French, with strong problem-solving and communication skills. Proficient in video editing and graphic design. Committed to leveraging technology to empower communities and achieve innovative solutions.

## **Education**

### **West End University College, Ghana**

Bachelor of Science in Computer Science | 2021 – 2025 (Expected)

- Relevant Courses: AI, Data Structures & Algorithms, Machine Learning, Optimization
- Thesis: Path Planning for Power Line Corridor Monitoring Using ACO

## **Technical Skills**

- Programming: Python, Java, JavaScript
- AI & Optimization: Ant Colony Optimization, Machine Learning, NLP
- Web Development: HTML, CSS, React.js, Node.js, WordPress
- Databases & Analytics: MySQL, MS Excel, Google Data Analytics tools
- Tools: Git/GitHub, Linux, Docker

## **Projects**

### **Power Line Corridor Monitoring with UAVs (Thesis, Ongoing)**

- Designed ACO-based path planning algorithm for UAV power line inspection
- Simulated efficient UAV routes in obstacle-rich environments

### **Twi Language NLP Model (Personal Project)**

- Developed NLP model for Twi, cleaning and processing text datasets for ML training

### **Web Development Project (Personal Project)**

- Built a responsive website using React.js and Node.js for a local education platform
- Implemented user-friendly features like contact forms and dynamic content

### **AI Spam Classifier (Personal Project)**

- Created a machine learning model to detect spam in email and social media
- Trained model using Python and NLP techniques, achieving 90% accuracy

## **Languages**

- French: Native
- English: Fluent

## **Certifications**

- Google IT Digital Marketing Certificate (2023)
- CEFR Content and Languages Integrated Learning Certificate