

HABIB IBRAHIM TOURE

AI/ML Enthusiast | Software Development Intern | Computer Science Student

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SUMMARY OF QUALIFICATIONS

- Second-year Computer Science student at the University of Ottawa, Co-op program
- Proficient in multiple programming languages including Python, Java, and web technologies (HTML, CSS, ReactJS)
- Hands-on experience in AI-related tasks, including data annotation and model training
- Experience developing personal and academic software projects using Java and Python
- Self-motivated learner with a strong interest in artificial intelligence and cybersecurity
- Excellent communication and teamwork abilities developed through collaborative group projects
- Fluent in English and French with basic knowledge of Arabic

EDUCATION

Bachelor of Science (Specialized) in Computer Science

September 2024 – 2028

University of Ottawa, ON

- Relevant coursework: Data Structures and Algorithms, Computer Architecture I, Introduction to Software Engineering
- International Student Merit Scholarship - \$36,000 annually

High School Diploma

September 2017 – May 2024

Collège Saint-Viateur d'Abidjan, Côte d'Ivoire

- International Student background with strong academic preparation

RELEVANT WORK EXPERIENCE

Data Annotation & AI Training

June 2025 – October 2025

DataAnnotation, Ontario, Canada (Remote)

- Prepared and annotated datasets used to train and evaluate machine learning models
- Collaborated with a small AI development team to improve model accuracy and performance
- Developed small automation scripts in Python to optimize repetitive annotation tasks
- Contributed to data analysis efforts that improved the efficiency of AI model training
- Analyzed model outputs and provided feedback to enhance the accuracy and efficiency of AI systems through data-driven insights

Technologies: Python, Scikit -learn, Machine Learning concepts

TECHNICAL SKILLS

Programming Languages/ Web technologies:

Java, Python, Assembly, HTML, CSS, JavaScript, ReactJS

AI & Data:

Machine Learning fundamentals, Scikit-learn, basic-pitch, librosa, NumPy

Databases:

MySQL, SQLite

Development Tools:

Git, Virtual Environments, Object-Oriented Programming (OOP)

Others: API Development, Unit Testing, Continuous Integration/Continuous Deployment (CI/CD)

APPLIED PROJECTS

Fretify – AI Powered Guitar Transcription System

October 2025 - Present

Personal Project

- Developing an AI application that converts audio and video recordings into accurate guitar tablature using machine learning
- Implementing audio processing pipeline using Librosa and Basic-Pitch for note detection and MIDI conversion
- Building full-stack application with FastAPI backend and React/TypeScript frontend with interactive tab visualization
- Integrating Demucs for voice/instrument separation to isolate guitar tracks from mixed audio sources
- Designing automatic tuning detection and finger position visualization features for enhanced user experience
- Planning advanced features including real-time coaching system, performance feedback

UTaste – Android Restaurant Management Application

September 2025 – November 2025

Academic Group Project

- Collaborated in a team of three to develop a comprehensive Android restaurant management application with multi-role functionality
- Designed and implemented SQLite database architecture to manage users, recipes, ingredients, and sales with efficient relational data structures
- Integrated OpenFoodFacts API using Retrofit to retrieve nutritional information automatically via QR code scanning
- Developed recipe management system allowing chefs to create, modify, and delete recipes with image support from local storage, URLs, and Unsplash API
- Implemented sales tracking and reporting features enabling waiters to record sales with ratings and generate comprehensive sales reports
- Created automated calculation system for nutritional profiles of recipes based on ingredient proportions
- Applied Agile methodologies with incremental feature development across four iterative deliverables

OTHER EXPERIENCE

Assistant Intern

June 2024 - August 2024

Pharmacie du Marché de Dabou, Côte d'Ivoire

- Assisted with customer service under supervision and daily organizational tasks
- Maintained a clean and organized working environment

Administrative Assistant

June 2023 - August 2023

Bel air Dental Clinic, Côte d'Ivoire

- Managed document organization and appointment scheduling
- Supported administrative and front-desk operations

INTERESTS

Artificial Intelligence: Passionate about machine learning applications, particularly in audio processing and natural language processing

Cybersecurity: Keen interest in ethical hacking, security protocols, and protecting software systems from vulnerabilities

Open-Source Development: Enthusiastic about contributing to collaborative projects and learning from the developer community

Web Development: Passionate about creating responsive and user-friendly web applications

Innovation & Startups: Following emerging tech trends and entrepreneurial ventures