

Iheb Ben Taieb

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Professional Profile

Telecommunications Engineering student at Sup'Com with strong expertise in Artificial Intelligence, Machine Learning, and Computer Vision. Experienced in developing AI-driven MLOps solutions and full-stack applications with a proven track record in hackathons. Seeking an internship opportunity to apply my machine learning and deep learning skills to solve complex real-world problems.

Education

Higher School of Communications of Tunis (Sup'Com)

2023 - 2026

B.E. in Telecommunications Engineering

Focus Areas: Artificial Intelligence, Machine Learning, Computer Vision, MLOps, Cybersecurity, Cloud Computing

Professional Experience

Software Developer (Part-time)

Jan 2025 - Present

Alkhayal Agency, Tunisia

alkhayal.org

- Developed and deployed responsive websites using Svelte, Express, and NodeJs
- Implemented SEO optimization strategies to improve client site visibility
- Enhanced mobile responsiveness for cross-platform compatibility
- Prioritized user experience and performance metrics in all development work

Intern Developer

Summer 2022

360° Marketing, Tunisia

- Contributed to full-stack development using MERN (MongoDB, Express, React, Node.js) stack
- Designed and implemented RESTful APIs and MongoDB database schemas
- Developed secure authentication systems using JSON Web Tokens (JWT)

Key AI & ML Projects

• CoMirror – Educational Platform for Deaf Children

Developed an inclusive hybrid learning platform with advanced sign language recognition using MediaPipe and YOLO. Implemented AI tutor functionalities, interactive calendar, messaging system, and comprehensive course management capabilities. Complete web and mobile solution enabling education accessibility.

• Smart Retail Behavior Detection (MLOps Project)

Implemented end-to-end MLOps solution using YOLOv5 and DeepSORT with heatmap generation to identify and track six distinct customer behaviors. Created CI/CD pipeline for model deployment, monitoring, and retraining. Enhanced retail space optimization through pose estimation algorithms and product engagement analytics.

• F1 AI Race Predictor

Created machine learning models using XGBoost trained on 10+ years of Formula 1 data to predict top 5 race outcomes. Utilized Pandas and Matplotlib for data visualization and provided statistics-driven insights into race performance patterns.

• Sensory Scope – Sensory Stimulation System for Autistic Children

Designed an innovative IoT solution featuring a sensory stimulation vest connected to an ML-powered dashboard that allows specialists to adjust sensory inputs for a tailored experience. Leveraged embedded sensors and real-time data processing for personalized therapeutic interventions.

Skills & Qualifications

Technical Skills

- **AI/ML:** TensorFlow, PyTorch, YOLO, OpenCV, MediaPipe
- **MLOps:** MLflow, Kubeflow, Model Deployment, CI/CD
- **Programming:** Python, JavaScript, C++
- **Web Dev:** React, Node.js, Express.js, HTML/CSS
- **Database:** MongoDB, MySQL, Firebase
- **DevOps:** Git, Docker, Cloud Services
- **Other:** WebSockets, REST APIs, JWT Auth

Certifications

- ISC2 Certified in Cybersecurity (CC) – July 2024
- Microsoft Security Fundamentals (SC-900) – May 2024

Languages

- Arabic – Native
- French – Fluent
- English – Professional Working Proficiency

Awards & Achievements

- IEEE Sup'Com Student Branch Chairman (2024–Present)
- **2nd Place** – Arabic Youth Bootcamp, UAE
- **3rd Place** – TN2056 Challenge at IEEE TSYP Congress 12th for Sensory Scope project
- **3rd Place** – MAE MutualHack Hackathon
- **3rd Place** – GothamHack Hackathon