

# YAHYA BOUCHAK

AI & Big Data Developer

✉ [mr.bouchakyahya@gmail.com](mailto:mr.bouchakyahya@gmail.com) — ☎ +212-663-742-975 — [in linkedin.com/in/yahyabouchak](https://www.linkedin.com/in/yahyabouchak) —  
🐙 [github.com/Bouchask](https://github.com/Bouchask) — 🌐 [Portfolio](#)

## PROFESSIONAL SUMMARY

---

Driven by a mission to bridge the gap between complex data and real-world solutions, I thrive on transforming challenging problems into elegant and intelligent systems. My passion lies not just in coding, but in architecting AI-powered tools that deliver tangible impact and measurable results.

## TECHNICAL SKILLS

---

<b>Programming Languages</b>	C, Java, Python, JavaScript, PHP
<b>Web Development</b>	HTML5, CSS3, React, Node.js, Laravel, Tailwind CSS
<b>AI &amp; Data Science</b>	TensorFlow, Scikit-learn, Pandas, NumPy, Matplotlib, Streamlit, Plotly
<b>Pre-trained Models</b>	GPT-2, RoBERTa, Google Models
<b>Computer Vision</b>	OpenCV, MediaPipe, InsightFace, DeepFace, HDBSCAN
<b>Big Data &amp; Engineering</b>	Spark, Flume
<b>Databases</b>	MySQL, PostgreSQL, NoSQL, SQLite
<b>Tools &amp; APIs</b>	Git, Docker, YouTube Data API, Google API, UML, Merise

## PROJECTS

---

- **AI-Powered Attendance Tracking Portal** [🐙 Repository](#)  
Engineered an AI-powered portal for automated attendance tracking, using YOLOv8 for detection and ArcFace for high-accuracy recognition. The system is designed to streamline administrative tasks and improve record-keeping integrity.  
*Technologies:* Python, Flask, YOLOv8, ArcFace, FAISS
- **NASDAQ 100 Stock Price Prediction** [🐙 Repository](#)  
Developed a time-series forecasting model for the NASDAQ 100 index, leveraging TensorFlow to predict market movements. Built a tool for back-testing and validating potential trading strategies based on historical data patterns.  
*Technologies:* Python, TensorFlow, Streamlit, yfinance
- **NLP Sentiment Analysis** [🐙 Repository](#)  
Built a sentiment analysis tool using a fine-tuned DistilRoBERTa model deployed via Streamlit. The application provides instant emotional tone analysis of text, demonstrating the power of NLP for user feedback and monitoring.  
*Technologies:* Python, DistilRoBERTa, Streamlit
- **Face Detection & Unsupervised Clustering** [🐙 Repository](#)  
Implemented a pipeline for face clustering in media. By combining InsightFace for feature extraction and HDBSCAN for density-based clustering, this project automatically identifies and groups individuals without prior labeling.  
*Technologies:* Python, OpenCV, InsightFace, HDBSCAN

PROFESSIONAL EXPERIENCE

<b>Full Stack Developer Intern</b>	<b>Tech Solutions Inc.</b>
<i>Summer 2023</i>	
<ul style="list-style-type: none"><li>Developed and maintained web applications using Laravel and React.</li><li>Collaborated with the AI team to integrate a recommendation engine.</li><li>Participated in the full software development lifecycle, from planning to deployment.</li></ul>	

EDUCATION

<b>Master’s in Information Systems &amp; Artificial Intelligence</b>	2025 - Present
<i>Faculté Polydisciplinaire Khouribga (FPK)</i>	
<b>Bachelor’s in Information Systems &amp; Artificial Intelligence</b>	2024 - 2025
<i>Faculté Polydisciplinaire Khouribga (FPK)</i>	
<b>Higher Technician’s Certificate (BTS) in Information Systems Development</b>	2022 - 2024
<i>Lycée Technique Qualifiant</i>	