

# AYOUB EL BARAKA

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## PROFESSIONAL SUMMARY

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Results-driven Computer Science graduate with experience in software development, data analysis, and AI-powered solutions. Skilled in Python, SQL, cloud platforms, and modern web technologies, with proven ability to design scalable applications and extract actionable insights from complex datasets. Adept at collaborating with cross-functional teams, solving business challenges, and delivering innovative solutions. Strong communicator with leadership experience, bringing both technical expertise and consulting skills to support data-driven decision making and technology-driven growth.

## EDUCATION

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### Al Akhawayn University, Ifrane – Morocco (2019 – 2024)

Bachelor of Science in Computer Science – Minor in Communication Studies.

**Relevant Coursework:** Agile Software Engineering, Machine Learning and Data Mining, Data Structures.

## SKILLS

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### Programming Languages

- **Proficient:** Bash Scripting, C, C++, Python, HTML, CSS, JavaScript, SQL, Git, GitHub.
- **Familiar:** Java, PHP, R, Prolog, VBScript

### Frameworks & Libraries:

- **Data Science:** Pandas, NumPy, Scikit-learn, Matplotlib, Microsoft Excel, Power BI, IBM Cognos, ETL Data Pipelines.
- **AI/ML:** TensorFlow, PyTorch, n8n
- **API Integration:** RESTful APIs, Postman.

### Technologies

- **Databases:** MySQL, PostgreSQL.
- **Cloud Platforms:** AWS (Amazon Web Services), Google Cloud Platform (GCP), CI/CD, Docker, Agile/Scrum methodologies.
- **Operating Systems:** Linux/Unix, Windows.

### Software

- **Microsoft Office Suite:** Excel, Word, PowerPoint, Outlook, Forms, Planner)
- **Adobe Creative Suite:** Photoshop, Adobe Illustrator, Adobe Premiere Pro, Lightroom, InDesign)

### Soft Skills

- Communication, Leadership, Team Collaboration, Problem-Solving, Adaptability, Critical Thinking, Work Ethics.

### Languages

- Arabic – (Native), English – (Proficient), French – (Advanced).

## EXPERIENCE

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### Freelance (August- Present)

#### **Workflow Automation Engineer**

- Built and maintained automated workflows with **n8n** to reduce repetitive tasks and improve efficiency.
- Set up event-based automations (e.g., sending WhatsApp/Discord/Slack messages when specific triggers occurred)
- Developed on-demand automations to support client communications and deliver 30% faster responses.
- Integrated APIs and third-party services to enhance business efficiency and reduce manual work.

## **MediArt Agency, Casablanca - Morocco (January - June 2025)**

### **Junior Web Developer**

- Developed 3 responsive apps, improving load speed by 25% and increasing client engagement.
- Implemented front-end and back-end functionalities, utilizing new web tech and frameworks to deliver robust solutions.
- Collaborated with cross-functional teams to gather requirements, troubleshoot issues, and deploy high-quality web products.

## **Admission & Outreach Department (AI Akhawayn University), Ifrane - Morocco (June – September 2023)**

### **AI/Chatbot Development Intern**

- Built an interactive front-end in React.js, improving accessibility and support efficiency by 40%.
- Integrated Open AI API with Pinecone for semantic search, reducing average response retrieval time by 35%.
- Conducted user testing with 30+ students and staff, gathering feedback to improve chatbot accuracy and usability.

## **EL BARAKA Library, Meknes – Morocco (May – September 2021)**

### **Inventory Clerk (Operations & Data Management)**

- Managed and organized library inventory with a focus on digitalization of stock records.
- Built and maintained Excel spreadsheets to track quantities, availability, and stock movements.

## **LEADERSHIP & EXTRACURRICULAR EXPERIENCE**

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### **Lions Club Ifrane AI Akhawayn (AI Akhawayn University, Ifrane, Morocco)**

#### **President | March 2023 – May 2024**

- Led 15+ initiatives, resolved disputes, and increased community participation by 30%.

#### **Vice President | June 2022 – March 2023**

- Grew membership by 30% and expanded humanitarian services.
- Identified +6 potential leaders and encourage their development as future leaders.

#### **Service Chairperson | March 2021 – June 2022**

- Organized 10+ youth service projects.

### **Student Government Association (AI Akhawayn University, Ifrane, Morocco)**

#### **Treasurer | December 2021 – December 2022**

- Managed accounts and supervised all financial matters, including financial audits.

#### **Public Relations Officer | February – December 2022**

- Communicated actions and updates for the student body.

### **Student Leadership Council (AI Akhawayn University, Ifrane, Morocco)**

#### **President | December 2022 – September 2023**

- Led the student organization's vision and set general orientations for the mandate.
- Helped with the creation of +15 new clubs.

#### **General Secretary | March – December 2022**

## **AWARDS & COMPETITIONS**

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- Earned the highly competitive AI Ghurair STEM Scholarship, awarded to just 20 students nationwide in Morocco.
- Won the Best Club Awards for the most impactful club within AI Akhawayn University 4 times.
- Participated twice in Moroccan Collegiate Programming Contest Competition (MCPC) As an AI official team.
- Won the Explorer Startup Program by UM6P, top 3 among +50 teams.

## **CERTIFICATES**

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- [Data Visualization and Dashboards with Excel and Cognos - IBM \(2024\)](#)
- [Excel Basics for Data Analysis - IBM \(2024\)](#)
- [Introduction to Data Analysis Using Excel – RICE University \(2024\)](#)
- [Python Project for Data Science - IBM \(2024\)](#)
- [Python for Data Science, AI & Development - IBM \(2024\)](#)
- [Azure: Create a Virtual Machine and Deploy a Web Server - Coursera \(2022\)](#)
- [Software Processes and Agile Practices – University of Alberta \(2022\)](#)