

Assia Benkedia

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Self-motivated computer science student with strong foundations in Python, web development, and artificial intelligence. Skilled in problem-solving, data analysis, and providing IT support. Recently completed a Generative AI capstone project recognized with an Honourable Mention among 280,000 participants.

Familiar with networking and cybersecurity concepts through past CCNA training, with an interest in revisiting these areas when time allows. Eager to apply technical knowledge to real-world problems in an innovative and collaborative environment.

EDUCATION

- **Associate Degree in Computer Science**, *University of the People*

2023 — present
California, USA
(Online Program)

 - Pursuing an Associate of Science in Computer Science from the University of the People (Online, Pasadena, USA). The degree gives a solid basis for programming, computer architecture, databases, networking, and software engineering. While preparation for additional study in the field, this course focuses on problem solving, algorithmic thinking, and the ethical aspects of computing.
- **Licence in Economics (Banking and Insurance)**, *University of Oran*

2009 — 2011
Oran, Algeria

 - Completed a 3-year Licence in Economics specializing in Banking and Insurance. Gained knowledge in financial markets, risk management, and banking operations.

PROFESSIONAL EXPERIENCE

- Notary's Assistant**, *Office Public Notarial*

09/2013 — present
Oran, Algeria

 - Drafted legal documents & contracts.
 - Managed office IT infrastructure (computer repairs, network security, printer setup, and surveillance systems).
 - Conducted administrative support tasks, including research and document organization.
 - Handled office accounting every three months.
 - Solved technical issues using Google research, troubleshooting problems efficiently.

SKILLS

Programming Python, JavaScript, R	Web Development HTML, CSS, Django
Databases SQL, PostgreSQL, SQLite	Artificial Intelligence Machine Learning, Deep Learning, Computer Vision, NLP
Networking CCNA Routing & Switching	

CERTIFICATES

Cisco Certified Network Associate (CCNA)

CCNA Routing & Switching (Full Course: 4 Modules)

- Introduction to Networks
- Routing & Switching Essentials
- Scaling Networks
- Connecting Networks

ARTIFICIAL INTELLIGENCE

Machine Learning & Deep Learning

- **Python Programming:** Data preprocessing and visualization
- **Libraries:** Numpy, Pandas, Matplotlib, Seaborn, Scikit-learn
- **Machine Learning:** Supervised, unsupervised, and recommendation systems
- **Predictive Analytics:** Built models and developed an AI-based final project
- **Deep Learning:** Implemented CNN, VGG19, VGG16, AlexNet, ResNet

Deloitte Australia Data Analytics Job Simulation on Forage - mars 2025

- Completed a Deloitte job simulation involving data analysis and forensic technology
- Created a data dashboard using Tableau
- Used Excel to classify data and draw business conclusions

Programming for Data Science with Python



• Introduction to Python

NumPy · Pandas · Control flow · Python scripting · Built-in Python functions · Python methods · Python function definition · Python package management · Python data types · Iterators · Python exception handling · Python best practices · Python operators · Python data structures · Docstrings · Anaconda · Python IDEs · Variable scope · List comprehension · Python syntax · User input handling

• Introduction to Version Control

Git · Unix shell

Web Development Training (Codecademy)

- **HTML Certificate:** Mastered elements, structure, forms, tables, and semantic HTML for meaningful web content.
- **CSS Certificate:** Developed skills in selectors, box model, layout design, and responsive web styling.
- **JavaScript Certificate:** Gained advanced knowledge in conditionals, functions, loops, iterators, and object manipulation for dynamic web applications.

LANGUAGES

Arabic

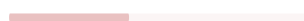


French

Delf B2



English



Intermediate Proficiency (advanced reading, writing, and listening; intermediate speaking skills).

ORGANISATIONS

Community Coding Mentor – Python & IT Support

2021 – present

- Assisted members in **Telegram and WhatsApp Python & IT communities** with coding, debugging, and troubleshooting.
- Provided guidance on **Python, SQL, AI, and problem-solving techniques**.
- Helped Bachelor's and Master's students with AI and data science projects.
- Promoted **collaboration and knowledge-sharing** among community members.

PROJECTS

OncoAssist: AI-Powered Cancer Recovery Advisor

Honourable Mention - Gen AI Intensive Capstone 2025

03/2025 –

04/2025

OncoAssist is a multilingual cancer recovery assistant developed during the Kaggle x Google Gen AI Intensive (2025). It earned an Honourable Mention among over 280,000 participants.

The chatbot uses **Gemini Pro** and **Retrieval-Augmented Generation** (RAG) to provide medical answers based on trusted PDFs and clinical trials from ClinicalTrials.gov . It supports English, French, and Arabic, including RTL formatting for Arabic users.

Key features include:

- Source cited, medically structured responses
- Embedded knowledge base with ChromaDB
- PDF table extraction using pdfplumber
- Gemini-powered translation and safety filtering

Built entirely in Python with Gradio for the UI, the project helps cancer survivors receive reliable advice at any time and in their preferred language.