

Nasrellah Kharroubi

AI Engineer & Software Engineer

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SUMMARY

AI Engineer passionate about building intelligent systems that connect data, models, and people. Skilled in machine learning, NLP, and full-stack development. Seeking opportunities to apply AI research to impactful real-world solutions.

EDUCATION

- École Nationale Supérieure d'Informatique (ENSIA)** Algeria
Bachelor in Artificial Intelligence and Data Science 2022 – Present
 - Relevant Courses: Machine Learning, Deep Learning, NLP, Data Structures, Algorithms, Databases, Probability, Computer Architecture.

EXPERIENCE

- AI Engineer Intern** TechLab, Remote
Machine Learning Internship Jun 2025 – Sep 2025
 - Developed and deployed ML models for predictive analytics, achieving a 15% improvement in accuracy.
 - Implemented RESTful APIs for model integration using Python and FastAPI.
 - Automated data preprocessing pipelines with Pandas and NumPy.
- Software Developer (Project Work)** University Projects
Full-stack Developer 2024 – 2025
 - Built web applications integrating AI features using Flask, React, and TensorFlow.
 - Designed and optimized relational databases in MySQL.
 - Led a small team using GitHub flow and Agile methodology.

PROJECTS

- Job Matching AI** Python, Pandas, A* Search
AI-based candidate ranking system 2025
 - Implemented a heuristic A* search to rank job seekers based on matching profiles with job offers.
 - Integrated CSV parsing, scoring algorithms, and result visualization.
- React Employee Dashboard** React, Recharts, CSV, PapaParse
Data Visualization Web App 2024
 - Developed an interactive dashboard to visualize employee data and trends.
 - Used React components, charts, and dynamic filtering for user interaction.

SKILLS

- Programming:** Python, C++, JavaScript, SQL, Java
- AI & ML:** TensorFlow, PyTorch, scikit-learn, NLP, Computer Vision
- Web & Tools:** React, Node.js, Flask, Docker, Git, Linux
- Data Science:** Pandas, NumPy, Matplotlib, Statistics

CERTIFICATIONS & ACHIEVEMENTS

- TensorFlow Developer Certificate
- Kaggle Competitions – Top 5%
- AI Challenge – Excellence Award
- Research Project in machine learning for pharmaco genomics

LANGUAGES

- Arabic (Native), English (Fluent), French (Intermediate)