

Ahmad Mrad

Software Developer

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Summary

Computer Science student and aspiring Software Developer with strong foundations in Java, Python, JavaScript, HTML, CSS, and PHP. Experienced in building dynamic web applications and AI/ML projects, including NLP and semantic matching engines. Detail-oriented problem solver with a passion for continuous learning and innovation. Seeking a junior AI/ML developer role to apply academic and project experience in real-world applications.

Education

Bachelor of Science in Computer Science

Lebanese International University | Jan 2022 - Oct 2025

Developed a strong foundation in computer science principles, including algorithms, data structures, software engineering, and web development. Gained practical experience in artificial intelligence and natural language processing through academic and independent projects.

Certifications

- **Introduction To Computation & Programming Using Python** | AUB - Jan 2024
- **CCNA – Introduction to Networks** | Cisco - Jan 2024
- **CCNA – Switching, Routing, and Wireless Essentials** | Cisco - Jan 2025
- **AI & DATA ENGINEER** | ZAKA AI - Oct 2025

Projects

Hire Me - Semantic Resume Matcher

- Built a semantic matching engine using Sentence Transformers and cosine similarity, achieving ~85% accuracy in aligning candidate skills with job descriptions.
- Parsed resumes with spaCy to extract structured data (skills, education).
- Implemented skill clustering with ESCO taxonomy for relevance scoring.
- Designed an interactive Gradio interface for resume uploads and match visualization.
- Technologies: Python, spaCy, Sentence Transformers, Gradio

ChronoTrack

- Developed a full-stack HR dashboard with role-based access, automating attendance and payroll tasks by 90%.
- Implemented JWT authentication, real-time punch tracking, and multi-session support.
- Built dashboards for HR (employee management, payroll) and employees (punch timeline, leave overview).
- Added CSV/PDF export, live charts, and protected routes.
- Technologies: React, Tailwind CSS, FastAPI, Tortoise ORM, SQLite, Chart.js, Framer Motion
- Github: github.com/AhmadMrad/ChronoTrack

Skills

- **Languages:** Java, CSS, JavaScript, Python, HTML, PHP
- **Frameworks & Libraries:** React, FastAPI, Sentence Transformers, spaCy
- **Databases:** MySQL, SQLite, Tortoise ORM
- **AI & ML:** Machine Learning, Deep Learning, Natural Language Processing (NLP), Semantic Matching, Model Training & Evaluation
- **Other:** Networking & System Knowledge
- **Soft Skills:** Strong problem-solving and analytical thinking, Ability to work in a team and adapt to new technologies, Effective communication and time management

Languages

- Arabic: Native
- English: Intermediate
- French: Basic