



# MADI CHEIMA

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## PROFESSIONAL SUMMARY

Motivated and ambitious Software Engineering student with strong academic achievements and hands-on experience in programming, software design, web and desktop development, and project management. Demonstrates leadership, teamwork, communication, and problem-solving skills. Highly sociable, able to work under pressure, and collaborate effectively with diverse teams. Passionate about Artificial Intelligence and its potential to transform education through innovative tools and applications. Committed to continuous learning and applying technical knowledge to real-world solutions.

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## EDUCATION

- University of Constantine 2 Abdelhamid Mehri – Faculty of Software and Information Systems Technology and Engineering
- License 3 – Software and Information Systems Technology and Engineering, 2025 – Present
- License 2, 2024 – 2025
- License 1, 2023 – 2024
- Baccalaureate
- Mathematics Specialty, 2023 – Diploma obtained (used for university admission)
- Scientific Specialty, 2022 – Diploma obtained

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## RELEVANT ACADEMIC COURSES

- PROGRAMMING & SOFTWARE: ALGORITHMS, ADVANCED PROGRAMMING, DATA STRUCTURES, OBJECT-ORIENTED PROGRAMMING, CONCURRENT PROGRAMMING, SOFTWARE ENGINEERING, INFORMATION SYSTEMS, ADVANCED WEB APPLICATION DEVELOPMENT, SOFTWARE QUALITY SYSTEMS
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- MATHEMATICS & LOGIC: ALGEBRA, MATHEMATICAL ANALYSIS, PROBABILITY & STATISTICS, MATHEMATICAL LOGIC
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- SOFTWARE DESIGN & METHODOLOGIES: UML DIAGRAMS, SOFTWARE DEVELOPMENT LIFE CYCLE, PROJECT MANAGEMENT PRINCIPLES, HUMAN-COMPUTER INTERACTION, UI/UX PRINCIPLES, SOFTWARE ARCHITECTURE
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- ADDITIONAL KNOWLEDGE: ADVANCED PROGRAMMING CONCEPTS, CONCURRENT PROGRAMMING, SOFTWARE QUALITY ASSURANCE, TESTING, ADVANCED DATA MODELING, DATABASE DESIGN, CORE COMPUTING CONCEPTS

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## TECHNICAL SKILLS

- Programming Languages: Java, Python, C, C++, JavaScript, HTML, CSS, PHP, SQL, Assembly
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- Web Development & Tools: HTML, CSS, JavaScript, React, Spring Boot, PHP, responsive web design, full-stack fundamentals
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- Desktop Development: JavaFX, Swing
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- Databases: MySQL, MySQL Workbench, SQL, Command Line, XAMPP
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- Software Design & Methodologies: UML Diagrams, Software Engineering Processes, UP Methodology

- PROJECT MANAGEMENT TOOLS: MS PROJECT, PROJECTLIBRE
  - UI/UX & DESIGN TOOLS: FIGMA, CALVA, INTERFACE PROTOTYPING, USER-CENTERED DESIGN
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  - TESTING & QUALITY ASSURANCE: UNIX 4 & 5, SOFTWARE TESTING PRINCIPLES, VERSION CONTROL
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  - MULTIMEDIA & VISUAL DESIGN: IMAGE COMPOSITION, DIGITAL CONTENT CREATION, PRESENTATION DESIGN
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  - OFFICE & PRODUCTIVITY SOFTWARE: MICROSOFT WORD, EXCEL, POWERPOINT
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  - OPERATING SYSTEMS: WINDOWS 10/11, LINUX
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  - ADDITIONAL SKILLS FOR YOUNG DEVELOPERS: CRITICAL THINKING, ADAPTIVE PROBLEM-SOLVING, COLLABORATIVE CODING, DEBUGGING, RAPID PROTOTYPING, TASK PRIORITIZATION, ATTENTION TO DETAIL
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## PROJECTS AND EXPERIENCE

- **Development of Web Application – Online Clothing Store (University Project):**
    - Designed and implemented a fully functional e-commerce web application
    - Applied software engineering methodologies, UI/UX principles, and project management techniques
    - Collaborated in a team, practicing task delegation, planning, and milestone tracking
    - Strengthened technical and interpersonal skills in a real-world project
  - **Small Private School – Educational Organization Project (Personal Initiative):**
    - Responsible for organizing and managing operational workflow of a small private school providing educational support for children and adults
    - Coordinated curriculum schedules, class organization, and administrative processes
    - Developed skills in leadership, planning, time management, and clear communication
    - Inspired interest in applying Artificial Intelligence to improve teaching methods, educational tools, and personalized learning experiences
  - **Desktop Application – GUI Project (University Project):**
    - Designed and implemented a desktop application with advanced graphical user interface
    - Applied concurrent programming, software design principles, and data handling techniques
    - Practiced problem-solving, testing, debugging, and iterative improvement
    - Additional Personal Projects & Activities
    - Continuous exploration of AI tools and technologies for educational applications
    - Multimedia and visual content creation for projects and presentations
    - Collaborative online coding exercises and development challenges
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## ADDITIONAL INFORMATION

- COMFORTABLE WORKING ON MULTIPLE OPERATING SYSTEMS (WINDOWS 10/11, LINUX)
- PASSIONATE ABOUT ARTIFICIAL INTELLIGENCE APPLICATIONS IN EDUCATION AND SOFTWARE DEVELOPMENT
- DEDICATED TO DEVELOPING NEW TECHNICAL AND SOFT SKILLS, KEEPING UP WITH MODERN SOFTWARE ENGINEERING TRENDS
- STRONG COMMITMENT TO CONTRIBUTING TO ACADEMIC AND PROFESSIONAL COMMUNITIES THROUGH CREATIVITY, COLLABORATION, AND INNOVATION
- LANGUAGES: ARABIC: NATIVE, ENGLISH: GOOD LEVEL (B1+), FRENCH: INTERMEDIATE, SPANISH: A2, JAPANESE: A2