Dina KERROUCHE

Software Engineer Student | Full-Stack Developerr

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Professional Summary

Master's student in Software Engineering and Information Systems (ISIL), holding a Bachelor's degree in Computer Systems. I enjoy developing web applications and solving practical technical problems. Through academic and personal projects, I have gained experience in full-stack development, database management, and process automation using technologies such as JavaScript, Node.js, Express.js, React, and SQL. I also have experience with Python, VBA, and Excel automation. My current internship at the University Rectorate is allowing me to gain practical exposure to enterprise IT systems, workflow automation, and information security.

Professional Experience

University Rectorate – Bouira **November 2026 – Present**

IT & Information Systems Intern

- Explored and worked with collaborative information systems and enterprise IT solutions.
- Worked with Zimbra for collaborative email and communication.
- Explored Alfresco Community for document management (GED).
- Worked with Bonita and n8n for business process and workflow automation.
- Studied information security management concepts based on ISO 27001, ISO 27002, and ISO 27005.
- Explored phishing awareness and security testing using GoPhish.

Algérie Télécom – Bouira **March 2025 – April 2025**

IT Intern – Excel & VBA Automation

- Developed an Excel-based application using VBA and UserForms.
- Automated company and contract tracking processes.
- Designed forms to facilitate data entry and management.
- Improved data organization and tracking through spreadsheet automation.

Education

Master's Degree in Information Systems Engineering (ISIL) **September 2025 - June 2027**

University Akli Mohand Oulhadj – Bouira, Algeria *Currently pursuing*

Bachelor's Degree in Computer Systems **September 2022 - June 2025**

University Akli Mohand Oulhadj – Bouira, Algeria

Baccalaureate – Experimental Sciences **july 2022**

Technical Skills

Frontend Development:	React.js, JavaScript, HTML5, CSS3, Responsive Web Design
Backend Development:	Node.js, Express.js, PHP, REST APIs
Databases:	PostgreSQL, MySQL, SQL, Microsoft Access
Programming Languages:	JavaScript, Python, Java, C, C#
Tools & Platforms:	Git, GitHub, Docker, Excel, VBA, WordPress
Enterprise Information Systems:	Alfresco Community, Zimbra, Bonita, n8n, Odoo
Information Security & GRC:	ISO 27001, ISO 27002, ISO 27005, GoPhish

Key Projects

CRM – Customer Relationship Management (Github)

- Developing a full-stack CRM application.
- Implementing customer, product, category, and order management.
- Building REST APIs and database operations.

***Technologies**: JavaScript, Node.js, Express.js, PostgreSQL, JWT*

ONAAPH – Access Management Application(Academic Project | Team Project) (Github)

- Contributed to the development of an academic application.
- Worked on data management and application functionality.

***Technologies**:PHP, JavaScript, CSS, HTML*

VBA-ODS – Excel Automation Tool (Github)

- Developed an Excel-based tool to automate data management and repetitive tasks.
- Used VBA and UserForms to simplify data entry and improve workflow organization.

***Technologies**:Microsoft Excel, VBA*

BrainBoost Quiz – Quiz Application (Github)

- Developed a quiz application using Java.
- Implemented application features to support interactive quizzes and user engagement.

***Technologies**: Java*

Personal Portfolio Website (Live)

- Designed and developed a personal portfolio website to showcase projects and technical skills.
- Created a responsive interface using HTML and CSS.

***Technologies**: HTML5, CSS3*

Certifications

Certificate of Participation – Web Development Workshop (Tekne Club)
Responsive Web Design Certification — freeCodeCamp
Foundational C# with Microsoft Certification — freeCodeCamp
Create a Website with WordPress
Introduction to Microsoft Excel (Coursera)

Languages

Tamazight: Native **Arabic:** Native **English:** EF SET B2 level **French:** TCF B2 Level