

# BOUBEKIR Lounes

## Puzzle Designer & Cryptography Specialist

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github.com/lounesbbkr



### PROFESSIONAL EXPERIENCE

#### UNMZIT, *Puzzle Designer* 📄

10/2023 - present

Creating engaging and challenging puzzles for entertainment and educational purposes.

#### SIGNE ME, *Cryptography Specialist*

Expert in cryptographic techniques and security protocols to ensure data protection.

#### Software Developer 📄

Proficient in multiple programming languages with a focus on developing efficient software solutions.

#### ASTU, *Mathematics Educator*

2020 - 2024

Strong command of algebraic concepts.

### PROJECTS

#### Problem Solving Website "UnmZit" 📄

10/2023 - present

a website aimed at general problem-solving. Designing and developing the site using modern web technologies, while implementing features to enhance problem-solving capabilities and user interaction.

#### RSA Digital signature

present

Developed an RSA digital signature system to ensure data authenticity and integrity, implementing secure cryptographic algorithms and key management techniques.

#### π Hash Algorithm 📄

2023 - 2024

Developed a novel hashing algorithm based on the mathematical constant pi for secure data hashing in cryptographic applications. Implemented the algorithm to ensure data integrity and confidentiality in various cryptographic scenarios.

### REFERENCES

Mathematics Educator | Secretary General, ASTU  
tiddukla.astu@gmail.com, +213 676 36 51 99

Founder, Vice President, Leader of Team, Crypto club  
cryptoclubusthb@gmail.com

### SKILLS

#### JavaScript , C & Python

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#### Programming

Proficient in developing efficient and robust software solutions

#### Algorithm Designing & Problem-Solving:

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Experienced in designing and implementing efficient algorithms to solve problems.

#### Digital Signatures & Hashing

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Experienced in creating and verifying digital signatures

#### CANVA , GIMP & Adobe Photoshop:

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Copetent in graphic design and image editing using GIMP and Adobe Photoshop.

#### Documentation & LaTeX

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Expert in LaTeX for creating professional-quality documents, including academic papers and technical reports.

### ORGANIZATIONS

Crypto Club | USTHB, *Founder, Vice President, and Leader of Cryptography Team* 📄

2022 - present

Trait d'Union Scientific Association, *Secretary General* 📄

2020 - present

Usthb.readers, *Graphic Designer* 📄

2021 - 2022

### PUBLICATIONS

Analysis and Design of a Hashing Algorithm 📄

### EDUCATION

Bachelor of Algebra and Cryptography, *University of Science and Technology - Houari Boumediene*

2021 - 2024