

People's Democratic Republic of Algeria  
Ministry of Higher Education and Scientific Research  
École Normale Supérieure (ENS) - Bou Saada



Department of Mathematics  
Laboratory of Mathematics and Applied Physics - ENS Bousaada

## A THESIS

Submitted in Fulfillment of the Requirements for  
the Doctorate Degree (Third Cycle LMD)

**Field:** Mathematics and Computer Science  
**Discipline:** Mathematics  
**Specialization:** Didactics

Presented by: Student Name

Thesis Title

Artificial Intelligence and Its Applications in Data Science  
Artificial Intelligence and Its Applications in Data Science

Defended on: December 31<sup>st</sup>, 2026

### Board of examiners:

| Name and Surname | Title | Institution        | Role          |
|------------------|-------|--------------------|---------------|
| Name and Surname | Prof. | UMB Boumerdes      | President     |
| Name and Surname | Prof. | UMB Boumerdes      | Supervisor    |
| Name and Surname | Prof. | UNIVPM Italy       | Co-supervisor |
| Name and Surname | Prof. | EMP Bordj El Bahri | Examiner      |
| Name and Surname | Prof. | UMB Boumerdes      | Examiner      |
| Name and Surname | MCA   | UMB Boumerdes      | Examiner      |
| Name and Surname | MCA   | Univ Ghent Belgium | Guest         |

Academic Year: 2025 - 2026