Imed Benmadi

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EDUCATION

Eotvos Lorand University	Budapest, Hungary
Master Degree in Data science	*Sep. 2024 – Current*
Kasdi Merbah University	Ouargla, Algeria
Bachelor's in Computer science	*Sep. 2021 – Juin 2024*

PROJECTS

Medical Insurance Price Prediction model | *Python, Sql, Data Visualization , ML*   June 2020 – Present
- Exploratory Data Analysis (EDA) – Cleaning, transformations, and understanding trends
- Feature Engineering – Handling categorical and numerical features
- Model Training and Validation – From basic regression to polynomial regression with cross-validation
- Hyperparameter Tuning – Finding the best degree and regularization (Ridge Regression)
- Visualizing Performance – Score plots, distribution plots, and comparisons of different models

Flexedu Platform | *React, Tailwind, NodeJs/ExpressJs, JWT, Mysql* **GitHub**   Sep 2024 – Oct 2024
- Course Management - Users can enroll in courses, access payed content, track progress
- Admin Dashboard - Manage courses, users, and analytics through a user-friendly dashboard.
- Authentication and Authorization - Secure login system using JWT, role-based access for users and admins

Dzidcom Platform | *React, Tailwind, NodeJs/ExpressJs, JWT, Mysql* **GitHub**   Apr 2024 - Jun 2024
- Freelancer-Client Connection – A platform that seamlessly connects clients with freelancers for various projects.
- End-to-End Project Management – Supports secure communication, project tracking, and real-time notifications to streamline collaboration.
- Secure and Scalable – Ensures safe transactions, user authentication, and efficient data management for a smooth experience.

Skate Platform | *React, Tailwind, NodeJs/ExpressJs, JWT, MongoDb*   Jan 2024 - Jun 2024
- Full-Stack Platform for Skate Consult – Developed a secure, user-friendly website with React, Tailwind CSS, Node.js, and MongoDB, ensuring scalability and smooth user experience.
- Comprehensive Features – Implemented JWT authentication, multi-language support (Arabic and English), and a dashboard for efficient content and user management.

TECHNICAL SKILLS

Languages: Java, Python, SQL (MySQL, PostgreSQL), JavaScript, TypeScript
Frameworks and Libraries: React.js, Next.js, Node.js, Express.js, Flask, Spring Boot
Databases: MySQL, PostgreSQL, MongoDB, Firebase
Developer Tools: Git, Docker, cPanel, Vercel, GitHub Actions, Google Cloud Platform, Aws Services
Data Science and Machine Learning: pandas, NumPy, Matplotlib, scikit-learn, TensorFlow
Other: WebSockets, JWT Authentication, REST APIs, GraphQL, Redis, CI/CD, Cloud Deployment

CERTIFICATES

- **Data Analysis with Python** *IBM - Issued Feb 2025* View Credential
- **Databases and SQL for Data Science with Python** *IBM - Issued Feb 2025* View Credential
- **Python for Data Science, AI Development** *IBM - Issued Jan 2025* View Credential
- **The Complete Data Science Bootcamp** *365 Careers - Issued May 2024* View Credential
- **Internship Completion Certificate** *ENAGEO - Issued May 2024*