



# MOHAMMED IBRAHIM FARHAT

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 [github.com/Mohammed-Farhat](https://github.com/Mohammed-Farhat)

## Education

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### Beirut Arab University

*Bachelor of Engineering - B.E. Computer Engineering, CGPA: 3.97/4.00*

**Beirut, Lebanon**

*Sep 2022 - Current*

### Dr. Nazih Al Bizri High School

*Lebanese Baccalaureate in General Sciences, Grade: 17.5/20*

**Lebanon**

*July 2022*

## Projects

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### Car Rental Management System

- Developed a Python-based car rental system using OOP principles, enabling vehicle availability checking and booking.
- Designed for scalability with modular architecture and plans for future GUI/database integration.

### Bank Account Management System

- Built a secure banking system using Java and SQL, handling transactions and account management.
- Applied relational database principles and reinforced software engineering best practices.

### Voice Assistant Home Automation

- Created a voice-controlled smart home system using Python, LangChain, and IoT microcontrollers.
- Enabled speech-based control of lighting, temperature, and appliances with MQTT protocol.
- Focused on secure integration and scalability for future device expansion.

## Skills

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**Programming Languages:** C++, Java, Python, C, SQL

**Frameworks and Libraries:** TensorFlow, Pytorch, OpenCV, Pandas, Scikit-learn, Matplotlib, NumPy

**Development Tools:** Git, GitHub, Bash, VsCode, MySQL, Cisco Packet Tracer, WireShark

**Concepts:** Object-Oriented Programming (OOP), Data Structures, Algorithms, Multi-threading, Memory Management

**Soft Skills:** Strong communication, leadership, teamwork, and time management.

## Certifications

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### Machine Learning Specialization

**Stanford University & DeepLearning.AI**

*Credential ID: 7N8WVSSP6ESR*

*Apr 2025*

- Supervised Machine Learning: Regression and Classification
- Advanced Learning Algorithms
- Unsupervised Learning, Recommenders, Reinforcement Learning

### The Git and GitHub Bootcamp

**Udemy**

*Credential ID: UC-0cc26eed-a7b5-4263-8a45-d8a429e6dcde*

*Jan 2025*

### IC3 Digital Literacy Certification

**Certiport - A Pearson VUE Business**

*Credential ID: wEHGK-4Som*

*Jan 2023*

## Honors and Awards

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**Ranked in the Top 3 students across all engineering fields throughout all years of study**

**Consistently on the Honors List every year for outstanding academic performance.**