

Nizar Shehayeb

Mechatronics Engineer / Software Developer

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About Me

Hello! I'm Nizar Shehayeb, a Mechatronics Engineer with 7 years of experience specializing in Robotics, Web Design, AI, and ML. My passion for cutting-edge technology drives me to create and integrate robust and comprehensive projects. My dedication to excellence has been recognized by my mentors and colleagues. Explore my portfolio to see the innovative solutions I've developed and the stories I've brought to life. Let's collaborate to create something unforgettable.

Experience

IT, TomVR

January 2024 - Present

- Managed and repaired complex VR/AR systems, ensuring 99% uptime.
- Implemented organizational improvements, boosting team efficiency by 15%.
- Adapted to new technologies swiftly, enhancing project success rates.

Coding Instructor (remote), BrightChamps

May 2023 - January 2024

- Developed a multilingual curriculum, improving programming understanding by 30%.
- Introduced practical coding projects, increasing student engagement by 25%.
- Contributed to an online platform, achieving an 85% student completion rate.

Electronics Technician, GCS Computers Pro

March 2021 - January 2023

- Diagnosed and repaired digital devices with a 95% success rate.
- Enhanced system efficiency by 20%.
- Implemented preventive maintenance strategies, reducing failures by 25%.

Education

Bachelor of Technology in Mechatronics

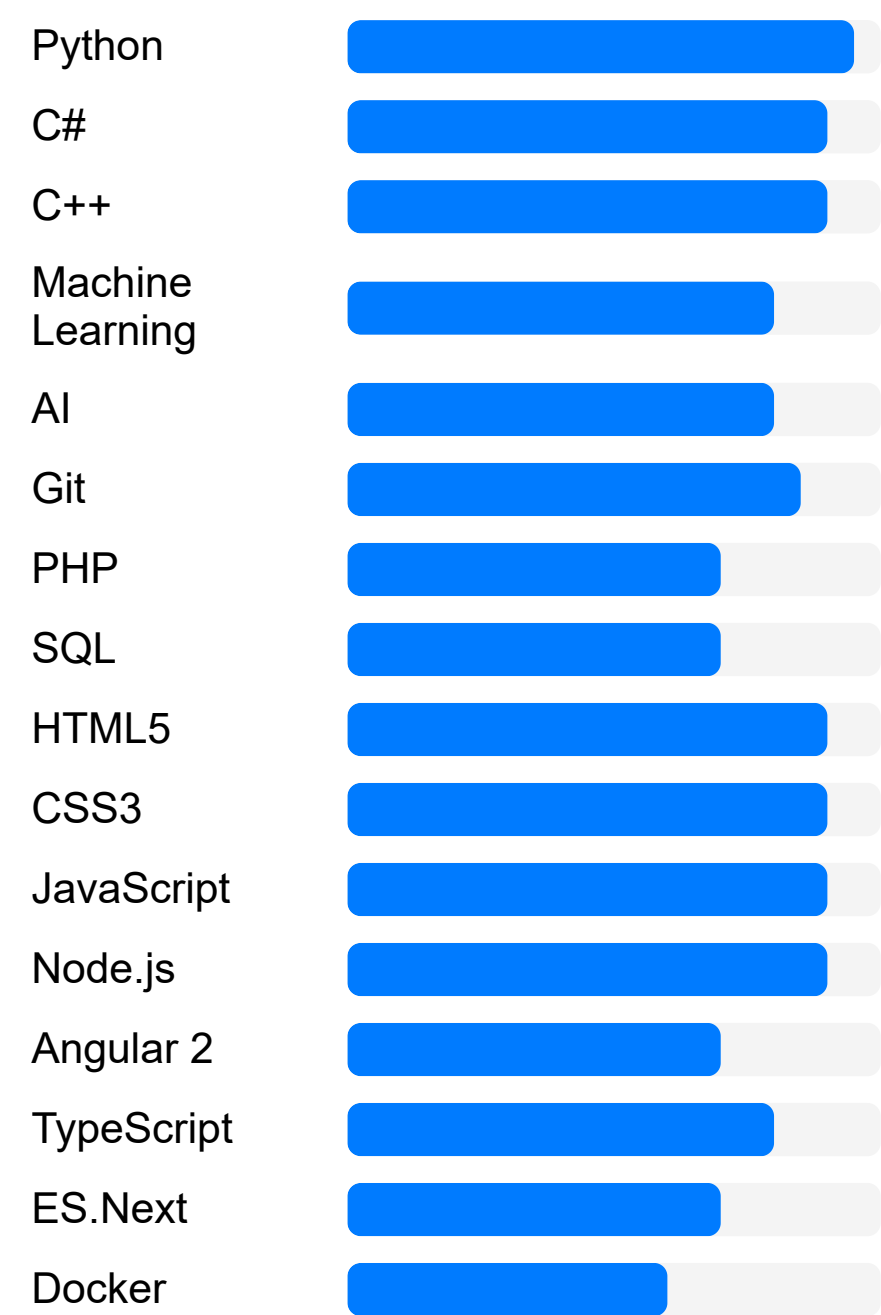
University of Balamand, September 2021 - May 2024

Focused on electrical engineering, mechanical engineering, computer sciences, control engineering, and IT. Developed smart devices through cross-disciplinary projects.

Technical Degree in Computer Communication and Networking

March 2019 - December 2021

Skills



Projects

Smart Fire Extinguisher

September 2023 - May 2024

Utilized YOLOv5 on a Raspberry Pi 3B for fire detection with a standard camera and thermal sensor. Activated water suppression to extinguish detected fires.

TicTacToe-AI Bot

May 2023

Developed an AI-powered TicTacToe bot using the Minimax algorithm. Features a user interface with player and opponent selection options.

Sudoku AI Solver

May 2024

Created a Sudoku Solver AI in Python with Pygame, featuring a graphical interface and real-time backtracking algorithm visualization.

Secure Login Haven

April 2023

Developed a secure login system.

Rehabilitation Assistant

May 2024

Machine Learning project for arm control rehabilitation.

Swift Product Classifier

May 2024

Developed a machine learning model for product classification.

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