

Ghadi El Basha

Computer Science

Dmit, Chouf

Lebanon

Age: 23

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Skills

Programming languages: Python, Java, C++, C, Assembly Language, SQL, MatLab.
Web Development: HTML, CSS, Javascript, PHP.
Database management: MySQL.
Mobile apps: Dart, Flutter.
Object Oriented Programming.
Data structures and algorithms.
Machine learning.
Network fundamentals.
Computer Networks.
Network security.
Digital logic project.
Computer Architecture.
Programming Language Concepts.
Software Engineering.
Artificial intelligence.
Operating system.
Natural language processing.
Robotics design and coding.
Microcomputer processing.
Communication skills, teamwork, time management, leadership, critical thinking.

Experience

Orion Audio Visual/Zoom Conference Coordinator

Managed Zoom meetings for conferences held by embassies in Lebanon with members abroad.

Operated audio-visual equipment, including sound systems, cameras, screen projectors, and translation tools.

Ensured seamless communication and technical support for international participants.

Orion Audiovisual/Web Development:

I developed a dynamic and visually appealing website for a client specializing in the sale of audio and lighting equipment, ensuring a user-friendly interface and fluid navigation.

Unlu Tatlar/Web Developer:

Led the development and launch of a state-of-the-art restaurant website for Unlu Tatlar, incorporating integrated online ordering features to enhance customers' overall dining experience.

Project/Web Developer:

I developed a car rental system from scratch.

Freelancer/ Project engineer:

Led the development and implementation of a Solar Tracking System adapted for maximum energy efficiency in residential environments.

Machine Learning/Video Game Sales Project Analysis:

I used machine learning techniques to analyze global video game sales data, identifying patterns and trends to assist in marketing strategies and decision-making processes.

Private tutor:

We facilitate individual tutoring sessions for children in various subjects.

Free Bee Center/Child Mentor:

Provided guidance and academic support to children. Design and lead tutoring sessions, promoting personal growth and academic performance. Implemented engaging activities to promote positive social interactions and a supportive learning environment.

Education

Kfar Him Official Secondary School / Lebanese Baccalaureate 2020.

Lebanese International University / Bachelor of Computer Science.

Extracurricular

Online courses:

Python Basics Learn Python for Data Science Python for Machine Learning and Python Tips and Tricks.

Cybersecurity essentials for aspiring security professionals.

Attended a comprehensive cybersecurity and ethical hacking workshop organized by Semicolon Academy.

AI Python for Beginners.

Generative AI for everyone.

Generative AI with large language models.

Supervised machine learning: regression and classification.

Volunteer Work:

Collaborated with AFDC in environmental conservation efforts, dedicating time to cleaning and preserving natural landscapes.

Certificates

CCNA 1/CISCO CCNA2/CISCO

Machine Learning / Zaka.ai

Supervised Machine Learning: Regression and Classification / DeepLearning.AI
and Stanford University

Generative AI for Everyone / DeepLearning.AI.

Projects

Hotel Reservation System:

Developed a hotel reservation system including user authentication, room availability check and efficient reservation management. Leveraged MySQL for database operations, demonstrating skill in database design and software engineering. It has received praise for its intuitive interface and seamless booking experience.

Digital Logic Design Project: Logisim Circuit Simulation:

Designed and simulated a working digital logic circuit using Logisim, demonstrating proficiency in digital logic design principles. It employed various components like gates and multiplexers to implement circuits.

Account Management System in Java:

Developed an account management system in Java with features such as automatic ID and password generation, account balance management and login authentication. Demonstrated strong Java programming skills and data validation techniques.

Taxi Agency Management System in Java:

I created a Java-based taxi agency management system, with vehicle classes and a taxi agency. Enables vehicle management, including adding and retrieving based on driver name and capability. Guaranteed efficient management with dedicated methods for vehicle handling.

Item, shoes and bags management system in Java:

Developed a comprehensive Java project for managing items, shoes and bags, leveraging object-oriented programming principles. Classes implemented with specific attributes and methods for managing and displaying information. Guaranteed data integrity by validating price and brand attributes.

Air Defense System Simulator in Java:

I designed a Java program simulating air defense systems, covering General Air Defense System (GADS) and Missile Air Defense System (MADS). Classes used for planes, abstract ADS classes and concrete GADS and MADS classes. Interfaces leveraged to gauge specifications to ensure effective simulation.

Breast Cancer Analysis:

I developed a machine learning project focused on breast cancer analysis, using advanced algorithms for classification and prediction. Employed techniques such as feature selection, model training, and evaluation to identify patterns and trends in breast cancer data. Implemented in Python, leveraging libraries like scikit-learn for accurate analysis and predictions.

Fake news detection:

I implemented a machine learning project to detect fake news using K-means clustering. Pre-processed textual data to extract relevant features. Applied K-means clustering to group news articles into clusters based on similarity in content. We evaluate the effectiveness of clustering in identifying clusters containing potentially false news articles, providing insights into

possible patterns of misinformation in the dataset.

Stock Price Forecast:

Developed a machine learning project for stock price prediction, leveraging historical stock data and various machine learning algorithms. Pre-processed and designed features such as moving averages, technical indicators, and sentiment analysis of news articles. I used regression models like linear regression to predict future stock prices. Employed techniques such as time series analysis and cross-validation to evaluate model performance and optimize predictions.

Cat vs Dog Image Classification Using Deep Learning:

Built a deep learning system to classify images of dogs and cats. Convolutional neural networks (CNNs) used to automatically learn image features. Achieved high accuracy in distinguishing between photos of cats and dogs through model training and evaluation.