

PHILIP MALOUF

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SUMMARY

As a motivated Computer Science graduate, I am eager to launch my career in technology by solving complex problems and driving innovative solutions. With a strong foundation in programming and problem-solving, I thrive in collaborative environments and am passionate about leveraging my technical expertise to tackle real-world challenges.

My goal is to contribute to impactful projects that push boundaries and create meaningful advancements in the tech industry while continually expanding my knowledge and skills.

EDUCATION

Bachelor of Science (BSc): Computer Science with Artificial Intelligence
University of Sussex – Brighton, UK
09/2021 – 07/2024

International Baccalaureate (IB) Diploma
Ramallah Friends School – Ramallah, Palestine
08/2019 – 05/2021

EXPERIENCE

Internship at Reform (Aystro) – Ramallah, Palestine
12/2024 – Present

- Gained proficiency in **PHP** programming through practical, hands-on development, enhancing skills in backend development and system integration.
- Contributed to the development of a comprehensive real estate management system and website, streamlining property management and improving user accessibility.
- Collaborated on the creation of a manufacturing and distribution tracking system for a new frozen food factory, enabling seamless monitoring from production to supermarket distribution.
- Actively participated in the company's rebranding process from Reform to Aystro, supporting strategic transitions and ensuring a smooth transformation.

Internship at Reach Holding – Ramallah, Palestine
08/2024 – 11/2024

- Acquired practical experience in data science with a strong focus on data manipulation, cleaning, and validation using Python libraries such as **Pandas** and **NumPy**.
- Designed and developed machine learning models, including **Linear Regression, Logistic Regression, Decision Trees, Random Forests, and Support Vector Machines (SVM)**, to address diverse analytical challenges.
- Performed comprehensive model evaluation and optimization techniques such as **pruning** and **precision tuning** to enhance model performance and accuracy.
- Conducted **Principal Component Analysis (PCA)** for dimensionality reduction and enhanced data visualization, simplifying complex datasets for better interpretability.

LANGUAGES

- Arabic Proficient
- English Proficient

SKILLS

Programming Languages: Java, JavaScript, Python, PHP

Database Management: MySQL

Version Control: Git

Web Technologies: HTML, CSS, Figma

Additional Skills: Quality Assurance, Problem-Solving, Researching, Calm Under Pressure

- Implemented advanced techniques including **Association Rules Mining** and built **Recommendation Systems** to support data-driven decision-making processes.
- Engaged in comprehensive data checks and maintained dataset integrity throughout the project lifecycle, ensuring reliable and actionable insights.

IT Consultant and Freelancer

07/2021 –Present

- Collaborated with a diverse range of clients, including small businesses and individuals, to deliver tailored IT solutions and comprehensive technical support, addressing unique client needs and ensuring satisfaction.
- Designed and developed custom websites using **HTML**, **CSS**, and **JavaScript**, emphasizing responsive design and creating intuitive, user-friendly functionality to enhance user experience.
- Developed and implemented automated backup solutions to safeguard client data, minimize the risk of data loss, and ensure long-term data integrity.
- Demonstrated strong communication and client management skills, effectively identifying client needs, setting clear expectations, and delivering customized solutions within established timelines.
- Provided personalized tutoring sessions for individuals aspiring to enter the IT field, covering diverse topics such as programming languages, software development, hardware troubleshooting, and IT fundamentals.

PROJECTS

- **Automated Picture Capture Website**
 - Designed and implemented a website using HTML, CSS, and JavaScript that enables users to capture and save pictures directly to a designated folder.
 - Integrated browser-based camera functionality using JavaScript's WebRTC technology.
 - Demonstrated practical skills in web development and client-side scripting.
- **Security and Database Website:**
 - Engineered a secure website with database functionality using technologies such as HTML, CSS, JavaScript, and MySQL.
 - Implemented user authentication and authorization mechanisms to ensure data privacy and integrity.
 - Applied best practices in web security and database management to safeguard sensitive information.
- **HR System for Employee Salary Management**

- Developed a comprehensive HR web application to manage employee salaries using Python, HTML, CSS, and JavaScript.
- Designed and implemented features including employee salary calculations, adjustments, and detailed tracking of absences, extra hours, and shifts.
- Created a user-friendly admin interface to add, update, and manage employee records securely, with a focus on ensuring data accuracy and usability.
- Integrated functionalities for generating detailed reports, including monthly salary breakdowns, which can be exported as PDFs.
- Deployed the system on the web, ensuring robust performance, responsiveness, and security for end-users.
- Conducted rigorous testing and debugging to ensure all features worked seamlessly across various browsers.
- ***Poker Game with AI Bots***
 - Developed a multiplayer Poker game featuring AI-controlled bots as opponents.
 - Implemented game logic, user interface, and AI algorithms to simulate realistic gameplay.
 - Showcased proficiency in java, and javaFX programming, game development, and artificial intelligence.
- ***Computer Vision Assessment***
 - Completed a computer vision assessment focused on image processing and configuration.
 - Applied image processing techniques to analyze and manipulate visual data. Configured and optimized computer vision algorithms to achieve desired outcomes.
 - Demonstrated problem-solving skills and analytical thinking in the field of computer vision.