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GitHub

Objective

Passionate Electronics and Computer Engineering student with hands-on experience in software development, data analysis, and machine learning. Proficient in C#, .NET, Java, Python, SQL, and Power BI, with practical experience in AI-driven and software projects. Strong leadership and communication skills, with a collaborative mindset and a commitment to building impactful solutions and contributing meaningfully to technical teams.

Education

Bachelor of Applied Science in Computer Engineering

Nile University, Sheikh Zayed City, Egypt
September 2022 – Present

- With CGPA: 3.47
- Relevant Coursework: Data Structures, Database Systems, Software Engineering.

Future High School

New Cairo, Egypt
September 2011 – July 2022

Professional Experience

Full Stack Developer

Google Developer Group On Campus – Nile University
February 2025 – June 2025

- Gained in-depth experience with .NET, Entity Framework Core, and SQL for back-end services.
- Engaged in workshops on backend architecture, API development, and React.js, frontend integration, enhancing full-stack proficiency.
- Developed authentication systems and real-time features, demonstrating technical and collaborative excellence.
- Collaborated in agile environments, practiced clean code principles, and followed Git workflows.

Data Analysis Trainee

Digital Egypt Pioneers Initiative, Ministry of Communications and Information Technology
June 2024 – October 2024

- Mastered data processing and visualization using **Python**, **SQL Server**, and **Power BI** to support business intelligence.
 - Designed efficient data models, streamlining decision-making processes.
 - Gained expertise in AI fundamentals and data engineering through intensive training
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Projects

AI-Driven Drug Prediction for Liver Disease

2024

- Co-developed a **Flask** and **Power BI** platform, integrating IoT sensor data for real-time drug recommendations with 85% model accuracy.
- Performed data preprocessing and **SQL** integration, creating clinician dashboards for health metric visualization.
- Showcased leadership by coordinating team tasks and communicating insights effectively.

Memoria – Social Media Web/Mobile Application

2025

- Co-developed a full-stack platform with **.NET** backend and **React.js** frontend, featuring user authentication, real-time chat, and personalized feeds.
 - Designed an optimized database using Entity-Relationship Diagrams for scalability and performance.
 - Led agile development, leveraging communication skills to align team objectives and deliver a user-centric product.
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Skills

- **Data Analysis:** Python (Pandas, NumPy), SQL Server, Advanced Excel, Data Modeling
 - **Data Visualization:** Power BI, Power Query
 - **Programming:** Java, C++, C#, Python , JavaScript
 - **Development:** React.js, .NET, Flask, Git, Java
 - **Soft Skills:** Exceptional Communication, Leadership, Team Collaboration, Agile Methodologies
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Volunteering Experience

Fieldwork Volunteer

Egyptian Food Bank

March 2024 – April 2024

- Supported Ramadan meal distribution, efficiently packaging essentials for underprivileged communities.
 - Adhered to organizational protocols, contributing to seamless operations through teamwork.
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