Abdelrahman Mohamed

Alexandria Egypt | +201026550844 | abdelrahmanayman0011@gmail.com | Linkedin | GitHub

Profile

Dedicated **Computer Science student** specializing in Cyber Security at Alexandria National University. **Achieved first place in the university's ECPC qualifications and advanced to the ECPC competition for two consecutive years**. **Solved over 230 problems on LeetCode**, **showcasing strong algorithmic skills**. **Lead problem-solving training**, and **mentoring peers in coding**. Proficient in C, C++, Python, and Java, with experience in OOP and Software projects. Knowledgeable in network and security, making AI and ML projects, and **Familiar with the Linux OS**

Education

Alexandria National University   (Oct 2022 – Jun 2026)

Bachelor of Computer Science at Department of (Cybersecurity) **(CGPA: 3.6)**   *Alexandria, Egypt*

- **Relevant Coursework: Data Structures and Algorithms** (C++), **Object Oriented Programming** (JAVA)(OOP), **Probability & Statistics** in CS (Python), **Intro to CS** II (C++), **Linear Algebra**, **Number theory**, **Ai& ML**, **Operating Systems**, **Cryptography**, **Computer Networks**, **DBMS**

Experience

Coding instructor   June 2024 – Sep 2024

iSchool   *Remote*

- Teach programming, **data structures, Algorithms**, and coding to students.
- Mentor and guide students in projects to enhance their practical and theoretical knowledge in coding.

Linux intern   July 2024 – August 2024

ITI *- Information Technology Institute*   *Remote*

- Focused on Linux administration, Red Hat operating systems, managing infrastructure, and virtualization.
- Gained hands-on experience with Linux/UNIX systems, managing users, Monitoring, services, and system security.

Projects

Car Rental System / *PHP, MySQL, HTML, CSS, JavaScript, Web Application Development*   December 2023 – January 2024
- Developed a Car Rental System with a user-friendly interface for reserving, returning, and browsing cars, and viewing reservation history; implemented admin pages and backend functionality using PHP and SQL. Designed the responsive UI using HTML, CSS, and JavaScript, and created an ERD for efficient data management and retrieval.

Clothing Store / *PHP, MySQL, HTML, CSS, JavaScript, Web Application Development*   March 2024 – May 2024
- Developed a seamless and secure online clothing platform with features for browsing, purchasing, and categorizing products, user authentication, and secure payment integration. Ensured secure database management, implemented real-time inventory updates, and created a comprehensive shopping cart and checkout system.

Network Simulation / *Cisco Packet Tracer, Networking, Subnetting | Troubleshooting*   April 2024 – May 2024
- Implemented LAN topologies using Cisco Packet Tracer for efficient network design and connectivity, configured IP addressing and subnetting schemes, and collaborated on network segmentation and management solutions. Conducted rigorous testing to validate configurations and ensure seamless connectivity and routing.

8 Puzzle game/ *C++, Algorithms | Artificial Intelligence*   Nov 2023 – Dec 2023
- The AI 8-puzzle project involves solving a 3x3 tile grid using DFS, BFS, and A* algorithms to reach a goal state with minimal moves. It includes the implementation and performance analysis of these search methods.

Face Recognition / *Python | Artificial Intelligence | machine learning | Natural Language Processing*   March 2024 – May 2024
- Performed face recognition using the ORL dataset, consisting of 10 grayscale images of 40 subjects each. Leveraged machine learning techniques like Principal Component Analysis (PCA) and Linear Discriminant Analysis (LDA) to identify the subject of a given image.

Technical Skills

languages: Java, HTML, CSS, C, SQL, C++, Python, PHP, JavaScrip
Technologies: Git, GitHub, Linux, GUI
concepts: Problem Solving, Object-Oriented Programming (OOP), Database Management