Abdelrahman Mohamed Salah

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EXPERIENCE

Computer and Communication Intern — September 2024
Benha Electronics Company — *Benha, Egypt*

- Enhanced production efficiency by 15% through troubleshooting and optimizing electronic board manufacturing processes.
- Assembled and tested over 50 electronic components daily, improving quality and reducing defects by 10%.
- Revamped PCB design workflow, reducing prototyping time by 40% and accelerating product deployment.
- Achieved a product reliability rate exceeding 98% by diagnosing and resolving functional issues in electronic boards.
- Reduced workplace incidents by 20% by strictly implementing safety protocols alongside the senior engineering team.

Information System And Infrastructure Intern — August 2024
National Bank of Egypt — *Borg Al Arab, Egypt*

- Optimized data storage organization across 100+ server racks, boosting system accessibility and performance.
- Ensured 99.9% system uptime by mastering maintenance for low- and high-voltage/current systems and integrating reliable backup solutions.
- Increased energy efficiency by 15% by monitoring and optimizing environmental controls through the Building Management System (BMS).
- Mitigated technical disruptions by 10% by operating and debugging Schneider Electric systems during inspections.
- Reduced network latency by 20% by implementing structured cabling protocols (CTC and RTC systems).
- Enhanced cross-server communication by 12% by configuring network routers and switches, improving data flow efficiency.
- Ensured continuous operations during critical activities by maintaining and testing backup power systems.

EDUCATION

Egypt-Japan University of Science and Technology — **Alexandria, Egypt**
BSc in Computer Science Engineering — *September 2021 – **Present***

CERTIFICATIONS

Software Development Full Stack .Net Diploma, **Digital Egypt Pioneers Initiative - DEPI** — **Present**

Industrial Training Diploma, **Arab Academy for Science and Technology** – Completed a rigorous 3-month program on Python, OOP, AI fundamentals, and deep learning projects, emphasizing practical applications. — **July 2024**

Programming Fundamentals Diploma, **Route IT Training Center** – Gained comprehensive knowledge of C++ programming, focusing on data structures, algorithms, and efficient coding techniques, through over 60 hours of intensive, hands-on training. — **September 2023**

Freelance Training Program, **Microsoft and Ministry of Youth and Sports** – Participated in professional workshops on digital freelancing, client engagement, and project coordination. — **October 2022**

TECHNICAL SKILLS

Languages: Python, C++, MATLAB, Arduino, C, Java, SQL

Frameworks: PyTorch, Keras

Tools and Technologies: Git, Linux, Jupyter Notebook, Data Analysis (pandas, NumPy), REST APIs

EXTRACURRICULAR ACTIVITIES

Technical Member, E-JUST Robotics Club — **October 2023 – May 2024**

- Mastered robotics fundamentals, including mechanics, sensor integration, and control systems, during hands-on training.
- Led a team of four through competition phases, managing real-time technical challenges and ensuring smooth progress.
- Developed and showcased "Hit the Insect," an interactive game leveraging computer vision, at the university robotics fair, highlighting applied programming and robotics skills.

LANGUAGES

Arabic (Native), English (Professional Proficiency), French (Intermediate)