Hassan Gad Ali Abdallah
Communications and Electronics Engineer
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Summary

Fresh graduate in Communications and Electronics Engineering with a strong foundation in embedded systems, circuit design, and IT engineering. Skilled in programming (C++, C#, Python), and experienced in wireless communication technologies (5G) and AI fundamentals (Huawei HCIA-AI Certified). I have also completed a CCNA course from Cisco and the Artificial Intelligence Ambassadors Program with NTI and the Ministry of Communication and Information Technology. Demonstrated expertise through the successful implementation of a voice-command wheelchair robot graduation project, showcasing hardware integration, software development, and problem-solving skills. Passionate about applying technical knowledge to contribute to innovative projects in the fields of electronics, automation, and embedded systems.

Education

Bachelor of Communications and Electronics Engineering   *July 2023*
October University for Modern Sciences and Arts (MSA University), Egypt

- **Third Honor Certificate** from the University of Greenwich in Communication and Electronics Engineering.
- **Graduation Project**: Voice-Command Wheelchair Robot – Contributed to the design and implementation of an embedded system-based project, showcasing skills in hardware integration, software development, and problem-solving.
- **Relevant Coursework**: Embedded Systems, Circuit Design, Wireless Communication, AI Fundamentals.
- **Extracurricular Activity**: Active member of the IEEE Club for one year, participating in technical workshops and events.

Skills

Technical Skills:

- Embedded Systems Design and Development
- Networking: Completed CCNA course from Cisco, gaining solid knowledge in networking, routing, and switching.
- Programming: C++, Python
- Wireless Communication Technologies (5G, Wireless Broadband)
- Circuit Design and PCB Prototyping
- AI and Machine Learning Basics (Huawei HCIA-AI Certified)
- Completed the AI Ambassadors Program by NTI and MCIT, strengthening my foundation in applied artificial intelligence.
- Tools: eNSP, Simulink, LabVIEW
- Proficient in Microsoft Office Suite (Word, Excel, PowerPoint, Outlook) with strong skills in document creation, data analysis, and presentation design.

Soft Skills:

- Problem-Solving and Analytical Thinking
- Team Collaboration and Project Management
- Effective Communication and Presentation Skills
- Adaptability and Continuous Learning

Projects

Voice-Command Wheelchair Robot
- Designed and implemented a voice-command wheelchair robot using embedded systems.
- Role: Contributed to hardware integration, software development, and testing.
- Outcome: Successfully delivered a functional prototype that demonstrated innovation and technical expertise.

Certifications and Training
- Huawei HCIA-AI (Artificial Intelligence) Certification (Conducted by Huawei)   Feb/2022
- 5G, Wireless Broadband & Transmission Training (Conducted by SYSTEL Telecom)   Sep/2022
- Scientific Research and Academic Writing (Conducted by Elsevier)   Nov/2022
- Fundamentals of Solar Energy (Conducted by SMC Company)   Nov/2022
- Network and Cybersecurity Career Path (Conducted by IT Gate Academy)   Nov/2022
- AI Ambassadors Program Certificate from NTI and MCIT   May/2025
- CCNA Certificate from Cisco   Sep/2025

Languages
- English: Very Good
- Arabic: Native Language

Hobbies and Interests
- Building and programming DIY electronics projects using Arduino and Raspberry Pi.
- Participating in coding challenges and hackathons to enhance problem-solving skills.
- Staying updated on advancements in 5G, AI, and renewable energy technologies.
- Listening to music, cooking, and playing soccer video games.