

BESHOY KHALIL HANNA HABIB

Network and Cyber Security

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PROFILE

Network & Cyber Security student at Elsewedy University of Technology (SUT) and an IEEE Xtreme Global Programming Competition participant, with a strong foundation in networking, cybersecurity, software development, and technical problem-solving. Proficient in Python, Java (OOP), and MySQL, with hands-on experience in developing technical projects and applying analytical and teamwork skills in competitive and practical environments. Currently expanding expertise in Mobile Application Development using Flutter & Dart and Web Development using HTML, CSS, and JavaScript, with a strong commitment to continuous learning, innovation, and building practical, secure, and user-focused technology solutions.

EDUCATION

Elsewedy University of Technology (SUT) | 2025 – 2029

Bachelor in Network and Cyber Security Technology

- Covered core software development and data management principles, including Python, Object-Oriented Programming (OOP Java), and MySQL (Database) systems.
- Studied computer Network architecture alongside advanced engineering mathematics (including Matrix Algebra and Discrete Mathematics).
- Acquired essential professional and regulatory alignment through courses in Principles of Law, Human Rights, and Ethics Principles.

Smart Secondary School for Computers and Electronics | 2022 – 2025

Technical High School Diploma in Electrical Technology & Circuits

- Graduated with an outstanding cumulative score of 99.33%.
 - Developed a foundational understanding of electrical systems, logic gates, and hardware components.
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TECHNICAL SKILLS & SOFT SKILLS

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|---------------------------|-----------------------------|-------------------------------|
| • OS Linux & Windows | • Java (OOP) | • MySQL (Database) |
| • Advanced Networks | • Python Programming | • Git & GitHub |
| • Cyber Security | • Mobile Dev Dart & Flutter | • AI Prompt Engineering |
| • Complex Problem Solving | • Web Dev (HTML, CSS, JS) | • Adaptability / Fast Learner |
| • Critical Thinking | • Embedded Systems Basics | • Communication Skills |
| | | • Teamwork & Time Management |
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ACHIEVEMENTS / ACTIVITIES

- **Participant & Competitor | IEEE Xtreme Global Programming Competition | 2025**
 - Competed globally in a high-intensity, 24-hour programming hackathon, solving complex algorithmic, logic, and coding challenges under time pressure.
- **Trainee | Mastercard Cybersecurity & Banking Security Training**
 - Successfully completed specialized training focused on corporate security practices, financial threat vectors, and secure banking infrastructure.
- **Organizing Committee Member | IEEE Entrepreneurship Week Egypt**
 - Actively contributed to planning, coordinating logistics, and managing tech-focused entrepreneurship events, enhancing team collaboration and leadership skills.

PROJECTS

- **Smart E-Waste Eco-Hub (AI Copper Recovery) | ARIIF 2026 Competitor**
 - Tools: Python, Machine Learning, Embedded Systems, Hardware Automation.
 - Developed an innovative AI-powered automated system specifically designed for electronic waste processing and targeted copper recovery.
 - Pitched and demonstrated the technical prototype as a competitor at the ARIIF 2026 innovation championship.
- **Enterprise Network & Security Simulation | Lead Architect**
 - Tools: Cisco Packet Tracer, Cisco ASA Firewall, Wireshark, OSPF, VLSM, Zero-Trust.
 - Designed a scalable 5-network infrastructure (including LAN, WAN, and DMZ) using VLSM and OSPF routing.
 - Implemented Cisco ASA Firewall under Zero-Trust policies to secure traffic and block unauthorized access.
 - Analyzed and verified core network protocols (TCP, DNS, DHCP) using live Wireshark packet captures.
- **Smart Haptic Glove for the Blind | Embedded Systems Project**
 - Tools: Arduino, Ultrasonic Sensors, Haptic Vibration Motors, Hardware Circuit Design.
 - Designed and developed a wearable smart glove as an innovative, hands-free alternative to the traditional white cane for visually impaired individuals.
 - Integrated distance sensors with microcontrollers to scan the surroundings and detect real-time obstacles.
 - Implemented variable haptic feedback (vibration intensity) to intuitively alert users of oncoming hazards based on proximity

CERTIFICATIONS

- Endpoint Security | Cisco Networking Academy (Issued: March 2026)
- Networking Basics | Cisco Networking Academy (Issued: March 2026)
- Getting Started with Cisco Packet Tracer | Cisco Networking Academy (Issued: March 2026)
- Covers: Network Access, Protocols, and Communications Basics (Completed May 2026).
- Certificate of Appreciation | "CTRL YOUR FUTURE" Event (Issued: 2026)
- Active Participant | IEEE SUTech Career Launchpad (Issued: Dec 2025)
- Honored by the Ministry of Youth and Sports for active participation in technology, AI, and mentoring disciplines

JOB SIMULATIONS

- **Cybersecurity Job Simulation | Mastercard (Forage) (Issued: Feb 2026)**
 - Tasks: Phishing email simulation design and phishing results interpretation.
- **Introduction to Cybersecurity Job Simulation | Commonwealth Bank (Forage) (Issued: Feb 2026)**
 - Tasks: Data analysis, Incident response, Security awareness, and Penetration testing.
- **Software Engineering Job Simulation | Wells Fargo (Forage) (Issued: Feb 2026)**
 - Tasks: Data model creation and implementation.