

ABDULRAHMAN ELSAYED

Electrical Engineering Student | Full stack development | Software & Cybersecurity Enthusiast
Zagazig, Egypt | boodapro540@gmail.com | +201011857244

WEBSITES AND SOCIAL LINKS

LinkedIn: <https://www.linkedin.com/in/abdelrahmanelsayed445>

Website: <https://portfolio.nullspecteracademy.ninja>

Github: <https://github.com/abdelrhman445>

SUMMARY

Innovative Electrical Engineering student with a strong foundation in power systems and industrial control. Uniquely combines engineering principles with practical expertise in full-stack software development and cybersecurity. Adept at designing automated backend solutions, integrating smart electrical systems, and conducting vulnerability assessments to build secure, efficient, and interconnected technological infrastructures.

EXPERIENCE

• Electrical Engineering Student, Zagazig University

(Oct 2024 – Current)

- ❖ Designed and modeled comprehensive electrical power distribution systems and lighting layouts utilizing AutoCAD and Revit, ensuring adherence to standard engineering codes.
- ❖ Simulated complex electrical circuits and control systems using MATLAB to analyze power flow, evaluate voltage drops, and optimize system stability.
- ❖ Executed practical laboratory experiments and academic projects focusing on power electronics, electrical machines, and automated control logic.
- ❖ Analyzed technical schematics and integrated software-based modeling techniques to evaluate and improve energy efficiency in power configurations.

• Freelance Software Developer

(Jul 2025 – Current)

- ❖ Developed robust applications and optimized algorithmic problem-solving logic utilizing C, C++, and Java.
- ❖ Designed and implemented responsive web applications, integrating interactive frontend interfaces with scalable backend services.
- ❖ Managed database architectures and server connections to ensure seamless performance and high availability for web projects.

• Junior Penetration Tester

(Jan 2023 – Current)

- ❖ Conducted vulnerability assessments and ethical hacking simulations to identify and mitigate network and system weaknesses.
- ❖ Analyzed web application security vectors, focusing on safe data transmission and preventing unauthorized access.
- ❖ Utilized Open-Source Intelligence (OSINT) tools and threat analysis techniques to gather actionable security data.

EDUCATION

❖ Zagazig University

Bachelor of Science in Electrical Engineering

(Oct 2024 – current)

Zagazig, Egypt

- **Relevant Coursework:** Electronic Circuits, Electromagnetic Fields, Thermodynamics, Renewable Energy Systems, and Control Systems.
- **Academic Focus:** Bridging theoretical engineering concepts with practical applications in software development and automated control.

SKILLS

- Full Stack Development
- Circuit Design
- PLC Programming
- Power Systems Analysis
- C/C++/Java
- Penetration Testing
- OSINT
- Routing & Switching
- Network Security
- Cloud Computing
- SCADA Systems
- MATLAB | Simulink | AutoCAD
- Node.js | Express | Next.js
- Vulnerability Assessment
- Cisco Networking

CERTIFICATIONS AND LICENSES

- **The Complete C Programming Course for Basic to Expert** – Udemy (Nov 2025)
- **Executive Diploma in Engineering Management** – Udemy (Jun 2025)
- **Cybersecurity Solution Architecture 301 (2025 Edition)** – Udemy (Jun 2025)
- **Web Hacking For Beginners** – Udemy (Jun 2025)

Key PROJECTS

- **Zameny Store (E-Commerce Builder Platform) :**
 - **Project Overview:** integrated platform designed to allow users to create and manage their own digital stores.
 - **Technical Role:** Developed the frontend using Next.js, implementing advanced SEO, JSON-LD structured data, and sitemap modules to maximize the visibility and search ranking of the created storefronts.

- **Narvo Store (Online Clothing Retailer):**

- **Project Overview:** A digital e-commerce store specialized in selling clothing and apparel.
- **Technical Role:** Engineered the backend infrastructure using Node.js, configuring scalable connection pooling and automated email scripts to efficiently manage real-time transaction notifications.