

AHMED NASSAR

Software Engineer

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🌐 LinkedIn 🐙 GitHub 🌐 Portfolio

Education

Modern Academy in Maadi

Sep 2021 – Jun 2025

Bachelor of Computer Science

Cairo, Egypt

- **CGPA:** 3.6/4.0
- **Relevant Coursework:** Databases, Data Structures & Algorithms, OOP, Operating Systems, Software Engineering, Mobile and Web Development, AI, ML, Mathematics, Distributed Systems, Embedded Systems, and Networking.

Experience

Orange Digital Center

Sep 2024 – Oct 2024

Software Engineer Intern

Cairo, Egypt

- Implemented a **task management system** using **Python** and **Django**, featuring creating, editing, and deleting tasks.
- Developed a **finance management app** in **Python**, automating balance updates and budget notifications.
- Worked with **relational** and **non-relational databases**, including **SQL**, and **NoSQL**, and their **design principles**.
- Applied knowledge of **software architecture**, **design patterns**, **microservices architecture**, and **MVC**.
- Built skills in **software security**, **agile methodologies**, and **automated testing techniques**.

Information Technology Institute

Jul 2024 – Sep 2024

Full Stack Web Development using Python Scholarship

Cairo, Egypt

- Learned **HTML**, **CSS**, **Bootstrap**, **JavaScript**, **React**, **Firebase**, **PostgreSQL**, **Python**, **Django**, **APIs**, and **Postman**.
- Built a **Movie Website** that allows users to create accounts, rate films, save favorites, and view movie information.
- Developed an **E-commerce Platform** with user authentication, shopping cart, order tracking, and product catalog.

Nokia

Aug 2023 – Oct 2023

Software Engineer Intern

Cairo, Egypt

- Designed a system for detecting and resolving **code vulnerability**, improving **system performance** and **integrity**.
- Maintained **full-stack applications**, optimizing **API response times**, **cloud integration**, and **CMS**.
- Conducted **unit**, **integration**, and **mock testing** with **Pytest** and **Postman** to ensure code quality.

Projects

Ahmed Nassar Portfolio | *React, JavaScript, SCSS, Bootstrap, Firebase, HTML, CSS, Particles.JS, AOS*

- Developed a **personal portfolio website** to showcase my experiences through a dynamic and interactive platform.
- Implemented **animated backgrounds**, **dynamic content updates**, **smooth scrolling**, and **fully responsive with UI/UX design** for engaging user experience with a **modular approach** for easy maintenance and scalability.

Egypt Metro Backend | *Python, Django, PostgreSQL, Docker, DRF, JWT, API, Postman*

- Engineered a **Backend** for **Egypt Metro platform** using **Django** to enhance the passenger and admin experiences.
- Implemented **JWT** for user authentication, **PostgreSQL** for data management, and **Docker** for containerization
- Created **APIs** to support the **Flutter frontend** and integrate **AI-driven solutions** for crowd management

Upwork Clone Frontend | *React, JavaScript, HTML, CSS, Material-UI*

- Developed with a team a web application to replicate the core features of **Upwork** using **React**, allowing users to create profiles, post jobs, and connect freelancers with clients, providing a dynamic and responsive user experience.
- Contributed to **frontend development** using **Material-UI**, **JavaScript**, and **CSS** in an **open-source project**.

Restaurant Ordering System | *Java, SQL, Java Swing, Netbeans*

- Created a **Java** ordering system using **OOP**, **SQL** for **database management**, and **Java Swing** for the **GUI**.
- Coded **data structures** and **algorithms** for efficient data retrieval and shortest path calculations.

Technical Skills

Programming Languages: C++, Python, Java, C#, JavaScript, TypeScript, HTML, CSS, SQL

Frameworks and Libraries: React, Django, Bootstrap, Tailwind, SCSS, Redux, Axios, AJAX, Firebase, JWT

Tools and Platforms: Git, GitHub, Azure, AWS, Docker, Kubernetes, Linux, Postman, MySQL, PostgreSQL, Render

Concepts: Design Patterns, Testing, System Design, Microservices, APIs, CI/CD, Clean Code, Deployment, Hosting, Agile

Awards & Honors

Founder of Software Engineering Community

Feb 2024 – Present

GitHub & Discord

Remotely

- Central hub for software engineering opportunities worldwide in FAANG, including internships, open source, and more.
- **Discord Server** supports over **500 members** and the **GitHub Repository** achieved over **310 stars & 15 forks**.