

# AHMED NASSAR

## Software Engineer

✉ a.moh.nassar00@gmail.com    📞 +201110102554    📍 Cairo, Egypt

🌐 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**.
- Reduced **detection time** by **30%**, and improved **security** by **25%** using **Bandit** and **SonarQube**.
- 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

#### Portfolio | React, JavaScript, SCSS, Bootstrap, Firebase, HTML, CSS, Particles.JS, AOS

- Developed my **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.

#### Upwork | React, JavaScript, CSS, HTML, CSS, Material-UI

- Worked with a team to develop an **Upwork Clone** 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**.

#### Pizza Ordering System | Java, SQL, Java Swing, Netbeans

- Created a **Java** pizza 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.

#### Chat Application | Java, SQL, Java Swing, Netbeans

- Developed a real-time chat application using **TCP/IP** socket programming, **Java Swing** for the GUI, **SQL** for message storage and retrieval, and **OOP** for modularity, enabling instant messaging and support for multiple client connections.

### Technical Skills

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

**Frameworks and Libraries:** React, Django, .Net, Bootstrap, jQuery, SCSS, Redux, Axios, AJAX, Firebase

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

**Concepts:** Design Patterns, Unit Testing, System Design, Microservices, APIs, CI/CD, Clean Code, Agile

### Awards & Honors

#### Founder of Software Engineering Community

Feb 2024

*GitHub & Discord*

*Remotely*

- Central hub for software engineering opportunities, including internships, open-source contributions, events, and more.
- **Discord Server** supports over **500 members worldwide** and the **GitHub Repo** achieved more than **300 stars**.