Ahmed Nassar

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OBJECTIVE

I am a Senior Computer Science student, achieving a CGPA of 3.9/4.0, I am passionate about Software Engineering, Web Development, and IT. I am seeking an internship or a part-time job to apply my skills, gain hands-on experience, and contribute to innovative projects.

EXPERIENCE

Arab African International Bank, Software Engineer Intern   Jul 2024 – Aug 2024 | Cairo, Egypt
- Assisted in developing and improving software solutions for the bank.
- Worked with senior developers to design, implement, and test new features.
- Helped troubleshoot and fix software issues to ensure smooth operations.

Nokia, Software Engineer Intern   Aug 2023 – Oct 2023 | Remotely
- Implemented a Python-based automated system for detecting and resolving code vulnerabilities, 30% reducing detection time, and 25% enhancing security measures resulting in a 40% increase in user engagement and a 95% stakeholder approval.
- Developed expertise in web development using React.js, and Django.

Banque Misr, IT Intern   Jul 2023 – Aug 2023 | Cairo, Egypt
- Developed and maintained internal tools and scripts to automate repetitive tasks.
- Performed routine system maintenance tasks, including backups and updates.
- Assisted 20+ customers daily with technical challenges, achieving a 90% resolution rate, reducing support ticket backlog by 28%, and maintaining a 4.7/5 satisfaction rating.
- Developed expertise in banking software, hardware components, and troubleshooting techniques.

EDUCATION

Bachelor of Computer Science, Modern Academy   Sep 2021 – Jun 2025 | Cairo, Egypt
- **GPA:** 3.9/4.0
- **Coursework:** Databases, OOP, Data Structures, Algorithms, Operating Systems
  Software Engineering, Web Development, Artificial Intelligence

SKILLS

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

Frameworks and Libraries: React, Bootstrap, .Net, Django, jQuery, JSON, Firebase, GraphQL

Tools and Platforms: Git, GitHub, AWS, Docker, Kubernetes, Azure, Linux, Microsoft Office, SaaS

Technical Skills: Design Patterns, Clean Code, Unit Testing, APIs, UI/UX, Agile, QA

Soft Skills: Teamwork, Leadership, Problem-Solving, Communication, Analytical, Creative

VOLUNTEERING

Open Source Community, Web Developer   Sep 2023 – present | Cairo, Egypt
- Contributed to open-source projects, and collaborated with experienced developers.
- Led 5 workshops and organized 2 hackathons at Ain Shams University.
- Conducted code testing and bug fixing, ensuring the delivery of high-quality software.

SemiColon, Programming Instructor   Jan 2023 – Aug 2023 | Cairo, Egypt
- Mentored 100 students in Problem-Solving to compete in ICPC competitions.
- Delivered 20+ sessions on C++, Data Structures, and Algorithms.
- Created 40+ educational content, including materials, resources, and tasks.
- Led the recruitment process, conducting 30+ technical interviews for applicants.

PROJECTS

Function Plotter ⬈
- Developed a Python-based Function Plotter using PySide6 for GUI and Matplotlib for plotting, enabling users to input and plot mathematical functions with robust input validation. Automated end-to-end testing was implemented using pytest and pytest-qt.

Pizza Ordering System ⬈
- Developed a Java-based system using OOP and SQL for the database, and Java Swing for the GUI.
- Coded Data Structure & Algorithms for data retrieval and shortest path calculations..

Weather Application ⬈
- Designed a weather application using React and Material-UI, integrating an open API for real-time weather data retrieval and user-friendly presentation.

Contact Keeper ⬈
- Full-stack app leveraging React, Context API, and UI/UX for a seamless front-end experience, with ExpressJS and MongoDB for efficient back-end data management.

Database Engine ⬈
- Build a Java database engine with expertise in table creation, tuple manipulation, Bitmap index support, and SQLTerm integration, optimizing database operations for efficiency.

University Management System ⬈

- Created a Java-based system utilizing OOP and SQL for database, with a Java Swing for GUI.
- Implemented Data Structure & Algorithms for retrieval of information based on name or ID.

Operating System Simulator ⬈
- Implemented a Java OS with shared resource protection, memory management, and an interpreter using round-robin scheduling and disk swapping.

Beyti ⬈
- Created a real estate management system Java-based with data modeling, and CI\CD pipeline

AWARDS & HONORS

Founder of Software Engineering Community, GitHub & Discord
- Software Engineering Discord Server has over 500+ members across the World. ⬈
- Software Engineering Repo on GitHub achieved over 250+ Stars and 10+ Forks. ⬈

Ranked 10th (out of 200 teams) across Egypt in 2023, Egyptian Collegiate Programming Contest

Achieved 3rd (out of 30 teams) across the University in 2023, ICPC Modern Academy

Ranked 1st place (out of 20 teams) in the Final Competition, Enactus Modern Academy ⬈

COURSES & CERTIFICATES

JavaScript (Basic) ⬈
HacheRank

Python (Basic) ⬈
HacherRank

CSS (Basic) ⬈
HacherRank

SQL (Basic) ⬈
HacherRank

SQL (Intermediate) ⬈
HacherRank

HTML & CSS ⬈
Udemy

Problem Solving (Basic) ⬈
HacherRank

Problem Solving (Intermediate) ⬈
HacherRank