Yousef Tamer
Software Engineer

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SUMMARY

Software Engineer skilled in Python, Java, and SQL. Experience includes building high-efficiency desktop applications and responsive web interfaces, with a focus on automation and secure access controls.

EXPERIENCE

Machine Learning Intern — eFinance   Aug 2025 – Sep 2025

– Engineered predictive models for financial data analysis, coordinating with database and infrastructure teams to ensure scalable deployment.
– Gained hands-on experience in large-scale technical operations and optimizing data pipelines for enterprise environments.

Frontend Developer — Digital Egypt Pioneers (DEPI)   Nov 2025 – Present

– Selected for the Ministry of Communications (MCIT) elite specialized training track.
– Developed responsive Single Page Applications (SPAs) using **React.js**, optimizing rendering performance via modern Hooks and reusable component architectures.

ML Trainee — National Telecommunication Institute (NTI)   Sep 2025 – Oct 2025

– Completed an intensive 120-hour Deep Learning bootcamp focused on Computer Vision.
– Built and trained neural network models (CNNs) for image processing tasks using PyTorch and modern data augmentation techniques.

PROJECTS

Restaurant Management System (POS)   Python, Tkinter, SQLite

– Developed a comprehensive POS system that improved efficiency by 30% by automating inventory management, sales tracking, and role-based access control.
– Enhanced user accessibility by implementing bilingual (EN/AR) support and streamlined reporting by enabling export to PDF/CSV formats.

Watch-It Media Player   Java, JavaFX, Maven

– Engineered a desktop media player supporting streaming/browsing for 1000+ items, resulting in a 50% increase in user engagement.
– Secured user data by implementing a robust authentication and role-based access system using JSON storage, supporting over 500 registered users.

SKILLS

Programming Languages	Python, C/C++, Java
AI	PyTorch, TensorFlow, Keras, NumPy, Pandas, Matplotlib
Frontend	HTML, CSS, JavaScript, React.js, JavaFX
Backend	Flask, SQLite, SQL, Node.js, Spring Boot

EDUCATION

2023 - 2027   **Bachelor's in Computer Science** at Ain Shams University   (Current GPA: 3.38)