

## **Eslam Aly**

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## **Professional Summary**

Motivated and results-driven Software Engineering student with a strong academic foundation in artificial intelligence, DevOps, and full-stack development. Experienced in building and deploying machine learning models. Actively developing skills in containerization (Docker, Kubernetes), CI/CD, and application security through industry-recognized certifications. Proficient in Python, Flutter, Git, and REST APIs. In addition, skilled in agile methodologies with experience supporting Product Owners, facilitating Scrum ceremonies, and maintaining Scrum artifacts using JIRA. Adept at identifying and removing impediments, monitoring KPIs, and fostering collaboration across cross-functional teams. Seeking a working student position to apply technical expertise, contribute to agile development teams, and support innovative enterprise solutions.

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## **Education**

### **University of Europe for Applied Sciences, Germany**

B.Sc. Software Engineering (English)

GPA: 3.45 | Sep 2023 – Present

### **Kyiv Polytechnic Institute, Ukraine**

B.Sc. Software Engineering – Completed 3 semesters (English)

GPA: 3.6 | Sep 2021 – Feb 2023

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## **Work Experience**

### **IT Help Desk Specialist**

Adam Tools, Kyiv | Feb 2021 – Feb 2022

- Provided first-line technical support and troubleshooting for hardware and software issues.

### **Requirements Engineer**

DM Solutions, Cairo | Feb 2020 – Dec 2020

- Collaborated with clients to extract and structure functional and non-functional requirements.
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## Projects

### **StoX – Stock & Crypto Market App (2025)**

- Flutter-based mobile/web app for real-time stocks and crypto.

### **Fake Face Detection using Deep Learning (2025)**

- Trained a binary classifier on real vs. AI-generated images using the Xception model and transfer learning.

### **Rubik's Cube Solver (2024)**

- Developed solvers using DFS, BFS, and A\*, supporting cube sizes from 2x2x2 to 6x6x6.

### **N-Queens Problem Solver (2024)**

- Implemented and evaluated DFS, Hill Climbing, Simulated Annealing, and Genetic Algorithm.

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## Certifications

- **DevOps & Cloud (IBM):** Introduction to DevOps, Agile Development & Scrum, Git & GitHub, Containers: Docker, Kubernetes, OpenShift, CI/CD (in progress), TDD & BDD (enrolled), Application Development with Microservices & Serverless
- **Security (IBM):** Application Security for Developers and DevOps
- **Data & Analytics (IBM):** Python for Data Science, Introduction to Data Analytics, Data Visualization & Dashboards, Excel Basics for Data Analysis
- **Linux (IBM):** Hands-on Linux Commands & Shell Scripting
- **Cloud (AWS):** AWS Cloud Web Application Builder

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## Technical Skills

**DevOps & Cloud:** Docker, Kubernetes, OpenShift, GitHub Actions, CI/CD, AWS, Firebase

**Security & Code Quality:** Snyk, OWASP ZAP, SonarQube, TDD, BDD

**Programming:** Python, Dart, SQL, JavaScript, Bash

**Frameworks & Libraries:** TensorFlow, Keras, Flutter, REST APIs, Jupyter

**Frontend & Markup:** HTML5, CSS3, Tailwind CSS, Syncfusion

**Collaboration & Tools:** Git, Jira, Confluence, Figma, Overleaf, VS Code, Microsoft 365, Linux Terminal

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## Soft Skills

Team Collaboration, Communication, Problem Solving, Self-Learning, Agile Mindset, Adaptability, Detail-Oriented

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**Languages:** Arabic: Native | English: Fluent (C1) | German: Intermediate (B1)