Ali Elsayed Machine Learning & Software Engineer

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PROFILE

Machine Learning Engineer with a strong foundation in Computer Engineering and experience managing projects in multinational companies and freelance teams. Demonstrates advanced expertise in designing, building, and deploying machine learning models on Google Cloud Platform (GCP) using tools like Vertex AI, TensorFlow, and BigQuery. Skilled in web development with **Python** and **JavaScript**, creating secure, high-performance applications with a focus on innovation and problem-solving.

⊗ SKILLS

Artificial Intelligence and Machine Learning

- **Libraries and Tools**: TensorFlow, Scikit-learn, LangChain.

Cloud Computing

- **Platforms**: Google Cloud Platform (GCP).
- **Services**: Vertex AI, BigQuery, AutoML.
- **Specializations**: Predictive Modeling, Data Analysis, Cloud-Based AI Solutions

Programming Languages

- **Primary**: Python, JavaScript, TypeScript.
- Frameworks: Nuxt.js., Vue.js, React.js - Databases: SOL

Software Engineering Principles

- SDLC, Agile Methodology, Scalable Architecture, Features Engineering.

PROFESSIONAL CERTIFICATES

Google Professional Machine Learning Engineer

Completed all training modules and practical labs focused on deploying scalable ML solutions on Google Cloud Platform. Gained hands-on expertise with Vertex AI, TensorFlow, and BigQuery. Certification exam pending.

Google Cloud Console Skill Badges 2

Earned Data Engineering and Machine Learning Fundamentals skill badges.

PROFESSIONAL EXPERIENCE

Lead Software Engineer

2024 | Istanbul, Türkiye

Ayhanlar Holding 🛮

- Led the development and management of Paran Olacak, a secure banking web application, implementing robust security measures to ensure data integrity and user safety while delivering a high-performance, user-friendly platform.
- Harnessed AI, large language models, and big data analytics to generate and refine optimized keywords, driving a **100% boost in SEO performance** and significantly enhancing site visibility and organic search traffic.
- Spearheaded deployment and infrastructure implementation, strategically selecting servers and optimizing deployment processes to ensure seamless and reliable project launches.

Machine Learning Engineer

2023 | Istanbul, Türkiye

ITTI - Iman Trade Tourism Construction Ltd. ☑

- Developed a real estate price prediction model, utilizing Python, Scikit-learn, and advanced feature engineering techniques to analyze and manage a large dataset from the capital of Türkiye.

Software Engineer 2022 | Istanbul, Türkiye

Hasel 12

- Delivered responsive and user-friendly web projects, consistently meeting deadlines and establishing a strong professional foundation in software development.
- Conducted quality assurance testing, ensuring functionality and reliability across devices.

- Focused on **responsive design**, optimizing projects for various screen sizes and devices to enhance accessibility and user engagement.

| F | PROJ | ECTS |
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Quizly ☑ 2024

A SaaS platform enabling users to create and take quizzes

- **Founded and developed Quizly**, a SaaS platform for creating quizzes with interactive data visualization and **Alpowered quiz generation**.
- **Designed and implemented a Retrieval-Augmented Generation (RAG) model**, leveraging **large language models** to generate custom quizzes from user-provided notes, enhancing personalization and content quality.
- Optimized performance to achieve **10% faster response times**, ensuring scalability and user satisfaction.

Landclub ☑ 2023

A side project for a real estate investment company

- Designed and implemented a high-performance **e-commerce platform** tailored to real estate investments.
- Achieved a **97% performance score** by optimizing the codebase for scalability and maintainability.
- Developed a streamlined and user-friendly admin panel, reducing the time required for employees to upload property postings by **25**%.
- Collaborated with stakeholders to ensure the platform met business objectives, delivering measurable results within deadlines.

EDUCATION

Doğuş University 🛮

2018 – 2024 | Istanbul, Türkiye

Bachelor Degree in Computer Engineering

- Graduated from a **prestigious and globally recognized institution** with strong accreditation in engineering and technology education.
- Built expertise in **computer engineering principles**, including **information systems, machine learning**, and **algorithm design**, applying knowledge to real-world problems.

Canadian University Dubai 🛮

2017 - 2018 | Dubai, U.A.E

Computer Engineering Coursework

- Transferred from **Ajman University** (2016)
- Completed coursework in **Object-Oriented Programming** (Python, Java), **Computer Architecture**, and Logic Circuits.

| ⊗ LANGUAGES | | | |
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| - English | - Arabic | - Turkish | |