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COMPUTER & INDUSTRIAL ENGINEER

Graduated with Dual B.Sc. in Computer Engineering and Industrial Engineering from Üsküdar University. Gained hands-on experience through capstone projects and internships in software development and process improvement. Highly responsible, quick learner with strong teamwork and independent-working skills. Eager to leverage my academic foundation and growth mindset to contribute to innovative engineering challenges.

EDUCATION

Üsküdar University - Computer Engineering

2019 - 2024

- GPA: 3.67/4 | High Honor Student

Üsküdar University - Industrial Engineering

2021 - 2025

- GPA: 3.44/4 | Double major | Honor Student

EXPERIENCE

ISDO Web Software

09.2022 - 07.2023

Backend Developer

- I developed the backend of corporate websites using ASP and SQL.
- I participated in software development projects for news websites, creating structures that are SEO compatible.
- I developed the backend of user panels for developed websites.
- I gained experience in various Google structures such as Google Ads, Google Analytics, and Google Search Console using Google Webmaster Tools.
- I have experience in infrastructure services such as domain management, DNS configuration, and setup and management of email servers.

Veriport Information Technologies

09.2024 - 10.2024

Intern

- I reviewed and analyzed documentation related to the company's database and tables.
- I conducted research on the feasibility of using Docker and Kubernetes for deployment.
- I provided insights and recommendations based on my findings.

Cavo Automotive

04.2025 - 05.2025

Production Intern

- I calculated machine uptime by conducting time studies and prepared productivity reports.
- I analyzed machine setup times with SMED studies and developed improvement suggestions.
- I monitored equipment availability and performance metrics with OEE calculations.
- I identified and prioritized error sources with statistical quality control methods and Pareto analysis.
- I identified optimization opportunities by creating workflow diagrams for process visualization.
- I optimized workflow and space utilization with facility planning and layout design studies.

Intern

- Gained skills in requirements analysis, process design, and stakeholder communication through the “Fundamentals of Business Analysis” training.
- Acquired knowledge in project planning, roadmap development, delivery tracking, and strategic management through trainings such as “Introduction to Project Management,” “Project Manager Competencies,” “Corporate and Strategic Project Management,” and “Introduction to Product & Project Management.
- Gained insights into data analysis and business intelligence tools with “Business Intelligence with Microsoft Fabric in the Age of AI,” “Data Science,” and “Working Effectively with Language Models such as ChatGPT and Gemini” trainings.
- Experienced agile project management methodologies through the “Agile - Scrum” training.

SKILLS

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|-------------|-----------------------|------------------------|-----------------------|-------------------|
| • ASP | • Jetpack Compose | • NumPy Pandas | • PL/SQL | • Teamwork |
| • Python | • MsSQL PostgreSQL | • Machine Learning | • Agile - Scrum | • Problem Solving |
| • Java | • REST API ER | • Matplotlib Jupyter | • Analytical Thinking | • Adaptability |
| • C# .Net | Diagrams | • TensorFlow Keras | • Project | • Communication |
| • Kotlin | • Docker Kubernetes | • Git GitHub | Management | Skills |

LANGUAGES

- English (B1)

TRAININGS

FMSS Bilişim Android Development Bootcamp (Techcareer) — Certified

12.2024 - 01.2025

- Completed an intensive Android course covering Jetpack Compose, MVVM architecture, RESTful API integration and dynamic data management.
- Built a “Film Sales” app in Kotlin using Jetpack Compose for a modern UI, MVVM for clean architecture, REST APIs to fetch movie data, plus sorting/filtering, shopping cart and checkout flows.

Geleceği Yazan Kadınlar AI Program (Turkcell Academy) — Certified

01.2025 - 05.2025

- Applied Python fundamentals (OOP & data structures) to prototype AI solutions; designed and optimized PostgreSQL schemas and exposed them via RESTful APIs.
- Performed data preprocessing and EDA with NumPy/Pandas, visualized results in Matplotlib; implemented linear/logistic regression, decision trees and K-Means clustering with evaluation via confusion matrices and ROC/AUC, plus RFM segmentation.
- Engineered a Naive Bayes–based spam detector (tokenization, cleaning, precision/recall evaluation); built and fine-tuned TensorFlow/Keras MLP and CNN models using ImageNet transfer learning; implemented Q-Learning with ϵ -greedy strategy in a Grid World environment.

Oracle SQL PL/SQL (StajOkulu) — Certified

07.2025 - 08.2025

- Gained introductory knowledge of Oracle Database structure, table design, and data modeling.
- Practiced SQL commands (DDL, DML, DCL, TCL, DQL) for creating, updating, deleting, and querying data.
- Learned PL/SQL fundamentals including block structure, functions, procedures, and triggers.
- Developed applications based on real-life scenarios (e.g., subscriber–invoice relationship) with business analysis and requirement identification.
- Acquired hands-on experience with SQL performance basics, joins, subqueries, sequences, and views.

GRADUATION PROJECTS

Dietician–Client Platform (React • Flask • TensorFlow)

- Developed a React web app for dietitians to manage client profiles and deliver personalized diet & exercise plans.
- Built a TensorFlow neural network to classify blood test results (17 inputs) as low/normal/high, optimized via randomized search to 98% accuracy.
- Exposed the AI model through a Flask REST API, allowing real-time insights to flow into the React frontend during consultations.

Cosmetics & Food Production Simulation (Arena)

- Conducted fishbone-diagram root-cause analysis to uncover inventory, cost-allocation, and staffing bottlenecks.
 - Applied Pareto and demand-forecast techniques to 40 months of sales data, isolating 7 products responsible for 98% of volume.
 - Modeled both production lines in Arena: doubling food-line capacity cut WIP by 23% and queue time from 5.25 s to 2.25 s.
 - Optimized the cosmetics line by shortening process times and increasing material feed, yielding a 32% output rise and an 18.5% cycle-time reduction—without new equipment.
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PROJECTS

Word Processor (Python)

- Random text insertion and cut/copy–paste features were implemented in a Python-based word processor as part of a group project.

Ticket Booking Application (.NET & SQL)

- The application was designed and implemented using WinForms and SQL Server, incorporating user authentication, ticket selection, payment processing, and booking confirmation.

Predictive Modeling (Python)

- A Naive Bayes algorithm was developed in Python for predictive modeling, and a confusion matrix was used to evaluate performance and optimize accuracy.

Multithreaded Matrix Multiplication Program (C++)

- A matrix multiplication program was developed with POSIX Threads, assigning each output-element calculation to a separate thread and providing real-time console updates.

Order Tracking System (ASP & SQL)

- A SQL Server database schema and stored procedures were created, and a Classic ASP backend was developed for a pastry-shop order panel, including form submissions and data validation.

News Website & Admin Panel (ASP & SQL)

- Backend infrastructure was implemented using Classic ASP and SQL Server, with database schemas and stored procedures for managing news articles, multimedia, and user data.

Customer Authentication System with Mernis Integration (Java)

- A customer authentication system with Mernis integration was developed in Java, enabling identity verification, user registration, and login processes.

Game Sales Simulation (Java)

- A game-sales simulation platform was developed in Java, featuring user registration, Mernis-based verification, shopping cart and purchase flows, sales tracking, and campaign-based discount simulations.

Production Efficiency Improvement Project

- Yogurt production line efficiency was enhanced through data analysis and process optimizations in an industrial-engineering course project, resulting in a measurable increase in output.