

# Kent Umut

Istanbul, Turkey | P: +90 5465368688 | kentumut4@gmail.com

## EDUCATION

### Bachelor Computer Science - ETH Zürich

Zürich, Sep 2025- Current

Incoming Computer Science student at ETH Zürich, Switzerland's leading university and ranked #7 worldwide for Computer Science (QS 2025). ETH is globally recognized for its excellence in technology, AI research, and producing pioneers such as Albert Einstein.

### St. Georg Austrian High School

Istanbul, Sep 2020 - Jun 2025

St. Georg College is an Austrian high school with a rigorous German-language curriculum, admitting only the top 0.5% of students nationwide. Graduated with 1.1 Matura (equivalent to GPA 4.0/4.0) and a diploma score of 94.12%, one of the highest distinctions at the school.

- Ranked #1 in GPA for 3 consecutive years in a highly competitive environment.
- President of the school's Model United Nations (MUN) club; organized a conference with 200+ participants.

## WORK EXPERIENCE

### Defne Telecommunications - Software Engineering Intern (5G Telecom Software)

Istanbul, Nov 2024 (1 month)

Gained hands-on experience in software development, Java programming, and DevOps practices by working on real-world projects.

- Developed proficiency in **Java**, focusing on object-oriented programming, data structures, and algorithms
- Worked with **version control (Git)** and contributed to collaborative coding workflows.
- Learned the fundamentals of **DevOps**, including CI/CD pipelines and cloud-based deployments.
- Built, tested, and deployed small-scale applications to reinforce programming concepts.

### Porty Tech - Youth Team Member (startup with 1+ Million Dolar investments)

Istanbul, May 2023 (7 months)

- In the meetings we made with founder and CEO of the firm, I learned how to build and lead a startup.
- Brain-stormed ideas about marketing and got my idea applied in the firm

## PROJECTS

### FOCUS.COM

Oct 2023

- Designed and implemented a study website for people with concentration disorders
- Deployed it as my CS50 finished projects with full capabilities such as login, register, cookies, level system

## COURSES

### Supervised Machine Learning: Regression and Classification (DeepLearning.AI)

Jun 2025

- Learned the foundations of supervised learning, including linear and logistic regression.
- Applied Python libraries (NumPy, Pandas, Scikit-learn) for building and evaluating ML models.
- Developed skills in feature engineering, overfitting prevention, and performance evaluation (ROC, precision-recall).

### Stanford Algorithms Specialization

August 2024

- **Algorithm Design & Analysis:** Gained a deep understanding of designing efficient algorithms, including divide-and-conquer, dynamic programming, and greedy approaches.
- **Complexity Analysis:** Proficient in Big-O analysis for time and space complexity.
- **Graph Algorithms:** Mastered fundamental graph algorithms, such as shortest paths (Dijkstra, Bellman-Ford), minimum spanning trees (Kruskal, Prim), and graph traversal techniques (BFS, DFS).
- **Data Structures:** Proficient in heaps, hash tables, trees, and graphs for problem-solving.

### Harvard CS50x

Nov 2023

- **Programming:** Proficient in C, Python, JavaScript; strong grasp of syntax, data structures, and algorithms.
- **Problem Solving:** Enhanced analytical skills through complex computational challenges.
- **Web Development:** Basic knowledge of HTML, CSS, JavaScript, and Flask.
- **Database Management:** Basic understanding of SQL and database interaction.

### Global AI Hub Introduction to Machine Learning

Aug 2023

- **Fundamental Concepts:** Grasped key concepts in supervised, unsupervised, and reinforcement learning.
- **Algorithms:** Implemented core algorithms, including linear regression, decision trees, and clustering.
- **Model Evaluation:** Evaluated models using metrics like accuracy, precision, and F1 score.

## LANGUAGES

Fluent in **English** and **German** both **C1** level, Turkish (Native)