SERHET GÖKDEMIR

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EDUCATION

Yildiz Technical University — Istanbul, Turkey
Mathematical Engineering, Bachelor of Science — *Oct. 2022 – June 2026*

Uniwersytet Lodzki — Lodz, Poland
Faculty of Mathematics and Computer Science, Erasmus+ Exchange — *Feb. 2024 – July 2024*

EXPERIENCE

Software Engineering Long Term Intern — Oct. 2025 – Present
Ziraat Teknoloji

- Recently accepted and going to work at Yildiz Teknopark for Ziraat Teknoloji's 9-month long internship program.
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Software Development Short Term Intern — Aug. 2025 – Sep. 2025
Turkcell Teknoloji

- Collobrated in Agile workflow and participated actively in planning, development, and testing of a web-based viewer application for large-scale CDR (Call Detail Record) data.
- By the end of the internship, the project was ready for production use and received highly positive feedback.
- Gained knowledge and experience in teamwork, problem solving, internal communication, and project management tools.

Data Science Traniee — Oct. 2024 – Jan. 2025
EPAM Systems

- Three-month intensive online bootcamp. Delivered homeworks, tests and attended Q&A sessions.
- Completed modules: Exploratory Data Analysis, Regression, Classification, Tree Based Models and Ensembles, Clustering, Deep Learning Basics, Machine Learning Engineering Basics, Natural Language Processing Basics

PROJECTS

personal-library | C#, .NET Core, HTML, CSS, TypeScript, PostgreSQL, Docker — Sep. 2025 – Present
- See the project: Link
- A simple personal project for my learning and development progress.
- Developing a full-stack web application to create a personalized and private library space for users.

CDR Viewer Application | Java, Spring Boot, HTML, CSS, JavaScript, Git, CI/CD — Aug. 2025 – Sep. 2025
- See the project: Link
- Developed a full-stack web application to search, filter, and display large-scale CDR (Call Detail Records) files on the web.
- Reduced display time and memory usage for large files using lazy loading and stream-based parsing.
- Achieved **100% search accuracy** using RESTful API, data normalization, and error handling.
- Enabled development efficiency in later stages through good documentation and modular architecture.
- Set up a CI/CD pipeline with GitHub Actions to automate build, test, and deployment processes.
- The project was completed during the Turkcell Information and Communication Technologies internship and made ready for production use.

TECHNICAL SKILLS

Languages: Java, C#, Python, C/C++, SQL (Postgres), JavaScript, TypeScript HTML/CSS, Matlab
Frameworks: Spring Boot, .NET Core, JUnit, xUnit
Developer Tools: Git, Docker, Github Actions, Postman
Concepts: Software Engineering, Object Oriented Programming, Clean Coding, SOLID, API Development, CI/CD, Mathematical Modelling, Optimization, Data Analysis, Machine Learning, Problem Solving, Leadership, Teamwork, Agile