

Burak Berk Şama



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Profile

I am a computer engineer building end-to-end solutions at the intersection of software engineering and artificial intelligence. I develop corporate web platforms in the Laravel ecosystem and machine learning services in Python, grounding every project in sound architecture, results validated on real-world data and maintainable code. I complement the experience gained in professional software teams with my work as a generative AI trainer at Habitat Association.

Education

Pamukkale University | MSc in Computer Engineering | 2026 – Present

Zonguldak Bülent Ecevit University | BSc in Computer Engineering | 2020 – 2024

Internships & Experience

Batunet Bilişim Hizmetleri Ltd. Şti. | Software Development Intern | 08/2023 – 09/2023

- Developed a plagiarism detection system in Java.
- Built a system that calculates file similarity ratios using text comparison algorithms.
- Developed the user interface with JSP and brought the project to the web.

Kodpit Teknoloji A.Ş. | Software Development Intern | 08/2022 – 09/2022

- Developed a stock portfolio tracking application with Java and JavaFX.
- Gained experience building user-focused solutions in desktop software development.
- Took an active role in the development team, improving my communication and collaboration skills.

Skills

Programming Languages: Java, Python, SQL, PHP, HTML/CSS

Web Technologies: Laravel, MySQL, JSP, JS, REST APIs

AI & Data Science: Generative AI tools, Pandas, NumPy, Scikit-learn, Hugging Face, Prompt engineering, AI training content design

Tools: Version control with Git and team development workflows

Soft Skills: Teamwork, Analytical thinking, Problem solving, Eagerness to learn, Organizational leadership

Projects

Clinical Psychologist Website – denizliklinikpsikolog.com | Laravel, Filament v5, Tailwind CSS, Alpine.js, MySQL

- Designed and built an end-to-end corporate website for a clinical psychologist, from design to launch, without templates. Features a content management panel, an informative blog, and SEO and performance optimisation.

Sardur Mühendislik – Corporate Website & Admin Panel | Laravel, Filament v4, MySQL, Tailwind CSS, Alpine.js, Livewire, GitHub

- Developed a full-stack web application for an industrial chimney cleaning company. The project consists of three main components: a public corporate website, an admin panel and a customer portal.

Financial News Sentiment Analysis | Python, PyTorch, Hugging Face (XLM-RoBERTa), scikit-learn, FastAPI

- Built an end-to-end service that collects Turkish and English financial headlines from live sources and classifies their sentiment. Raised macro-F1 on real headlines from 0.53 to 0.72 with a calibrated neutral decision threshold.

Law Firm Corporate Website | Laravel, Filament v3, Tailwind CSS, Alpine.js, MySQL

- Developed a corporate website with an admin panel for a law and consultancy office, presenting practice areas, legal articles and a media archive.

Plagiarism Detection Tool | Java, JSP, HTML/CSS

- Developed a web-based system that performs similarity analysis using text comparison algorithms.

Stock Portfolio Tracker | Java, JavaFX

- Developed a desktop application that calculates per-user investment profit and loss.

Real-Time Color Recognition | Python, OpenCV

- Developed a desktop application that captures live video and performs color analysis.

NoteHub – Lecture Notes Sharing Platform | HTML, CSS, PHP, Laravel, Bootstrap, MySQL

- Developed an MVC web platform where users can upload and sell their lecture notes.

Volunteering & Activities

Generative AI Instructor – Habitat Association | December 2024 – Present

- Teaching AI tools and developing digital learning content.

Karaelmas Artificial Intelligence Community – President | September 2022 – June 2024

- Led the AI student community at Zonguldak Bülent Ecevit University.

Languages

Turkish – Native

English – B2

- Proficient in reading technical documentation and written communication
- Continuing to train my speaking and listening skills

Interests

Artificial Intelligence & Generative AI Tools • Software Development & Problem Solving • Community Management • Financial Technology & Stock Tracking • Researching New Technologies • Teamwork & Organization