

Kamil Berkay Çetin

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Education

Bilkent University

B.S. in Computer Science — Senior Student

Ankara, Türkiye

Expected June 2027

Experience

Long-Term Analyst Intern, Gain Enerji

Nov 2025 – Present

Work on data-driven analysis of Turkish electricity markets, building and maintaining production-level day-ahead price (PTF) forecasting models on EPIAŞ market data. Responsibilities cover the full pipeline: data collection and cleaning, feature engineering from market, generation, and weather signals, gradient-boosting model development and evaluation, and delivering forecasts used in day-to-day trading and planning decisions. Also provide system design support for internal data and analytics tooling.

Agile DevOps Intern, Turkcell

Jul 2025 – Aug 2025

Supported the central DevOps team serving ICT departments. Worked with Jenkins, SonarQube, Git/Bitbucket, Artifactory, and OpenShift, observing how CRM, finance, mobile, and AI/ML projects are integrated into automated delivery pipelines.

Backend Developer Intern, Monitic

May 2024 – May 2025

Developed backend services for a remote monitoring and management (RMM) platform using Golang, Fiber, MongoDB, Redis, Docker, REST APIs, goroutines, and a microservice architecture.

Software Developer Intern, Payko

Sep 2023 – Feb 2024

Developed and maintained RESTful CRUD APIs in Golang at an early-stage startup. Implemented nearly half of the company's CRUD endpoints and contributed to documentation, testing, and PostgreSQL-backed development.

Teaching & Publication

Research Contributor — *Energy Digitalization and Data Analytics*

Forthcoming

Part of the student research team behind an upcoming book by Prof. Sinan Küfeoğlu on data-driven energy transformation. Contributed background research and draft material to the chapters on IoT and smart energy management and on AI/ML in energy, covering real-time monitoring and control, smart-grid integration, and predictive models for energy optimisation and renewable forecasting.

Teaching Assistant, Bilkent University (CS125)

Feb 2024 – May 2024

Assisted Prof. Çallı during weekly programming labs, supporting students with Python assignments, debugging, and algorithmic problem solving.

Technical Skills

Languages: Golang, Python, Java, C++

Backend: REST APIs, Fiber, Microservices, Redis, MongoDB, PostgreSQL, Goroutines

DevOps: Docker, Jenkins, SonarQube, Git/Bitbucket, Artifactory, OpenShift, CI/CD

Data & ML: LightGBM, NumPy, Pandas, scikit-learn, Time-Series Forecasting, AI Integration

References

Sinan Küfeoğlu — Associate Professor of Electricity Markets and Flexibility @ Uni of Vaasa

Semih Kekül — Senior Software Engineer @ Philips Netherlands

Seçkin Can Şahin — ex-Facebook, ex-Udemy, Team Lead @ Lidya Genomics

Yunus Özden — Software Engineer @ FXCubic