

Berat Erol Çelik

AI & Software Engineer

+90 543 774 84 71 | beratcelikk02@gmail.com | Istanbul, Turkey | github.com/BerattCelikk |
linkedin.com/in/berat-erol-çelik-513915258

PROFILE

Software Engineering student at Istanbul Aydın University with hands-on experience in AI/ML, LLM orchestration, and full-stack development. Founder of Coddium, building AI-driven SaaS platforms and n8n enterprise automations. Experience spans autonomous drone systems (Teknofest), ESG analytics (Audi Development Camp), and corporate web platforms. Seeking internships or junior software engineering roles to scale AI applications.

EXPERIENCE

	Backend AI Engineering Intern	Jun 2026 – Present
FlyRank AI	- Architected and optimized backend AI systems for organic growth automation platform. - Implemented and deployed 3 production AI features using Python, reducing manual workflow time by 45%.	
	Cloud & DevOps Intern	Jun 2026 – Present
Soliner	- Designed and maintained cloud infrastructure serving 10+ production applications. - Implemented CI/CD pipelines reducing deployment time from 2 hours to 15 minutes (85% improvement).	
	Software Developer	Feb 2026 – May 2026
E-Power Mekanik	- Architected AI-integrated backend services and scalable APIs. - Designed complex n8n enterprise automations to streamline ETL and deployment pipelines.	
	Founder	Nov 2025 – Present
Coddium	- Led product and engineering for AI-driven solutions, LLM orchestration, and multi-agent systems. - Developed end-to-end n8n-based enterprise automations, AI agent applications, and scalable web/mobile platforms for business needs.	
	Software Team Member	Oct 2025 – Present
GökTulga Teknofest	Significantly reduced UAV test preparation times for Teknofest by developing high-speed telemetry protocols, flight control algorithms, and n8n-based diagnostic automations.	
	Software Developer	Oct 2025 – Feb 2026
Tulpar-FF Teknofest	Engineered LiDAR-based autonomous navigation and integrated AI-driven computer vision for the TULPAR disaster drone, enabling real-time mapping and target identification in GPS-denied environments.	
	Software Intern	Nov 2025 – Feb 2026
E-Power Mekanik	Developed the modern backend and high-performance UI for epowermekanik.com, integrating AI-powered assistants to automate customer inquiries and technical documentation access.	
	Growth & Customer Relations	Oct 2025 – Dec 2025
FutureAction Ai	- Driven targeted user acquisition strategies for the FutureAction Ai Hub, identifying and engaging potential users to expand the platform's active community. - Managed customer relations by effectively communicating the value of complex AI tools to diverse audiences, improving the user onboarding experience and platform retention.	
	ESG Engineer (On-Site)	Jul 2025 – Jul 2025
Audi Development Camp	Analyzed ESG metrics and automated environmental impact reporting using AI-based modeling to drive carbon footprint reduction and sustainability compliance in automotive manufacturing.	
	IT Intern	Jul 2025 – Aug 2025
TNC Group Sirketleri		

Optimized IT operations by developing n8n automations for support tickets and asset tracking, while managing network infrastructure and deploying security tools to ensure uptime.	
Junior FullStack Developer (.NET & React Trainee)	Jan 2025 – Jun 2025
Acunmedya Akademi	
- Completed intensive full-stack bootcamp building scalable web apps with C# .NET backend and React frontend. - Developed end-to-end projects with RESTful APIs, responsive UI, and database integration.	
Community & Team Development Team Leader	Oct 2025 – Dec 2025
KlickON	
Led a community development team at KlickON, optimizing internal workflows and enhancing engagement through strategic planning and team coordination.	
Web Developer	Oct 2025 – Apr 2026
Bilgisayar Kavramlari Toplulugu	
- Architected and deployed web infrastructure serving 500+ active community members. - Built responsive React frontend and Python backend for community platform.	
Software Intern	Jun 2022 – Aug 2022
Envepo Yazilim A.S.	
Optimized enterprise database schemas and developed Python/SQL backend modules, while prototyping AI applications for automated indexing and data integrity.	

EDUCATION

Software Engineering	Sept 2022 – Jun 2027 (Expected)
Istanbul Aydin University — GPA: 3.24	
Artificial Intelligence & Panel Data Modules	Oct 2025 – May 2026
YÖK Veri Analizi Okulu	
Junior FullStack Developer	Jan 2025 – Jun 2025
Acunmedya Akademi	
Dijital Beceriler ve Mesleki Gelisim Gençlik Programi	Feb 2026 – Jul 2026
3G VAKFI	
AI in Marketing Training	Jul 2026 – Sep 2026
Samsung Innovation Campus	
QSummer 2026: Quantum Technologies & Computing Workshop	Jun 2026 – Sep 2026
QTürkiye	

PROJECTS

Coddium — AI Solutions Platform. Founded and developed an AI agency platform specializing in LLM orchestration and multi-agent autonomous systems (n8n), featuring a modern UI designed with Glassmorphism and Bento Grids. Tech: Python,LangChain,n8n,AI Agents,LLM Orchestration
PostByPrompt — Autonomous Marketing SaaS. Engineered backend logic and robust security layers for an AI-driven marketing automation platform, utilizing a Silicon Valley aesthetic for the frontend architecture. Tech: Python,FastAPI,n8n,AI/ML,Cloud Infrastructure
Celik Estate — Real Estate Platform. Real estate platform featuring 3D terrain visualizations and AI-driven sales tools. Tech: Python,AI/ML,3D Visualization,Cloud
E-Power Mekanik Web Platform — Corporate Web Presence. Maintained the corporate web presence and managed server infrastructure, optimizing backend configurations to ensure high availability and system reliability. Tech: Python,FastAPI,n8n,AI Chatbot,Full-Stack
YAPAY-AI — Smart Lab Report Analyzer. AI-powered platform interpreting medical findings with personalized health insights using Python Flask and Llama 3.2 (Ollama). Tech: Python Flask,Llama 3.2,Ollama,LangChain
Audi Water Monitor — Interactive ESG Dashboard. Interactive ESG dashboard developed with Python Dash to visualize and model water usage metrics for sustainability compliance. Tech: Python Dash,Pandas,Plotly,ESG Analytics
Grails — Carbon Emission Tracker. Environmental analysis system predicting carbon footprints and generating sustainability reports for Rotterdam University. Tech: Python,ML Models,Data Analysis,Report Gen
Advanced Matrix Calculator — Advanced Matrix Operations. Web application for complex matrix operations (+, -, *) and advanced properties analysis (idempotent, nilpotent, symmetry). Tech: JavaScript,HTML5,CSS3,Linear Algebra

Car Rental Management System — Full-Stack Car Rental Platform. A comprehensive system for managing car rentals, including features for booking, inventory management, and customer relationship management.

Tech: Python,Flask,SQL

KingSizeAWS — AWS Knowledge Platform. Informative platform on AWS services and certifications built with Python Flask, HTML, CSS, and JavaScript.

Tech: Python Flask,HTML/CSS,JavaScript,AWS

Brain Tumor Classification — Deep Learning MRI Diagnostic Framework. Deep learning framework for automated brain tumor classification using MRI imaging. Implementing CNN architectures for diagnostic decision support and accurate medical anomaly detection.

Tech: Python,TensorFlow,Keras,Deep Learning,CNN,Computer Vision

Breast Cancer Project — ML-Based Diagnostic Classifier. Machine learning-based diagnostic classifier for breast cancer detection. Leveraging Scikit-learn and advanced data preprocessing to analyze medical datasets, ensuring high-accuracy diagnostic outcomes.

Tech: Python,Scikit-learn,Machine Learning,Data Science,Predictive Modeling

Hand Gesture Game — Real-Time Computer Vision Interaction Engine. Real-time computer vision interaction engine utilizing OpenCV and Mediapipe to interpret hand gestures for gesture-based game control. A framework for exploring low-latency human-computer interaction.

Tech: Python,OpenCV,Mediapipe,Computer Vision,Real-Time Processing

Arbitrage Bot — Automated Financial Arbitrage Strategy. An automated arbitrage strategy implementation for financial market analysis. Built with Python, focusing on API integration, latency optimization, and real-time market data processing.

Tech: Python,API Integration,Trading,Financial Engineering

Instagram Bot — Automated Social Media Interaction Tool. An automated interaction and management utility for Instagram, built using Python and Selenium. Focuses on browser automation, workflow streamlining, and robust element manipulation.

Tech: Python,Selenium,Browser Automation,Web Scraping

Airline Passenger Satisfaction Prediction — End-to-End ML Classification Pipeline. An end-to-end machine learning pipeline to predict airline passenger satisfaction. Implementing data preprocessing, feature engineering, and classification models to identify key drivers of customer experience.

Tech: Python,Scikit-learn,Machine Learning,Classification,Data Science

Rainfall Prediction — ML Pipeline with Ensemble Modeling. End-to-end machine learning pipeline for rainfall prediction, utilizing advanced feature engineering and ensemble modeling strategies. Focused on optimizing predictive accuracy for complex environmental datasets.

Tech: Python,XGBoost,Scikit-learn,Ensemble Learning,Machine Learning

USA House Price Prediction — Advanced Regression Analytics. Predictive analytics framework for the US housing market. Utilizing advanced regression techniques, feature engineering, and data preprocessing to estimate property market values with high precision.

Tech: Python,Scikit-learn,Machine Learning,Regression,Data Science

AI Builder Hackathon — Rapid AI Prototyping MVP. Rapid-prototyping repository developed during the AI-Builder Hackathon. Focused on building functional MVPs, integrating generative AI workflows, and solving real-world problems under constrained timeframes.

Tech: Python,Generative AI,Rapid Prototyping,Hackathon

Twitter Bot — Automated X/Twitter Engagement Tool. An automated X (Twitter) engagement and management tool implemented in Python. Focused on API integration, task scheduling, and workflow automation for social media platforms.

Tech: Python,Tweepy,Twitter API,Task Scheduling,Automation

WhatsApp Bot — Selenium-Based Messaging Automation. An automated browser interaction tool for WhatsApp, implemented using Selenium WebDriver. Demonstrating browser automation, element manipulation, and workflow scripting for messaging tasks.

Tech: Python,Selenium,Browser Automation,Web Scraping

SKILLS & MORE

LANGUAGES & FRAMEWORKS

Python, FastAPI, Django, JavaScript, React, HTML5, CSS3, Java, SQL

AI & ML

LangChain (AI Agents), LLM Integration, Computer Vision (YOLO/OpenCV)

TOOLS & AUTOMATION

n8n, Zapier, Git

COMPETENCIES

Problem-solving, Teamwork, Attention to Detail, Adaptability, Innovative Approach

LANGUAGES

Turkish — Native
English — B2
German — A2

CERTIFICATIONS

Zero2End Machine Learning — MultiAcademy (Jan 2026)
Lab: Linux Tutorial — KodeKloud (Jul 2026)
Veri Analizi Okulu Basari Belgesi - Yapay Zekâ ve Makine Öğrenmesi — Yükseköğretim Kurulu (2025)
Veri Analizi Okulu - Yapay Zekâ ve Makine Öğrenmesi — Yükseköğretim Kurulu (2025)
Akbank Generative AI Giriş Bootcamp — AI Business School (Nov 2025)
AI Builder Challenge V2 — Techcareer.net (2025)
IBM Dev Day: AI Demystified — IBM (2025)
Sağlık Yönetiminde Bilisim ve Yapay Zeka Eğitimi — Baskent Sağlık İdareciler Derneği (2025)
Yapay Zekaya İlk Adım — AI Business School (Sep 2025)
Pupilica Yapay Zeka Hackathon — Pupilica (2025)
Yapay Zeka: Kavramlar, Uygulamalar ve Etik Bootcamp — Techcareer.net (Jan 2025)
Uygulamalarla SQL Eğitimi — Techcareer.net (2025)
Data Science Bootcamp SQL — TurkStudentCo (May 2025)
SQL 101 Workshop — Techcareer.net (Apr 2025)
SQL Intermediate — Sololearn (2025)
SQL — Sololearn (2025)
SQL — IAU AR-GE Kulübü (2025)
Atölye: Veri Bilimine Giriş — Techcareer.net (2025)
SPSS Course — IAU AR-GE Kulübü (2025)
Python for Developers Workshop — Techcareer.net (Jun 2025)
Python Wizards: Code Alchemy Workshop — Techcareer.net (May 2025)
Modern Frontend Development Workshop — Techcareer.net (Jun 2025)
.Net Workshop — Techcareer.net (Jan 2025)
C# — Sololearn (2025)
C++ — Sololearn (2025)
Siber Güvenlik 101 — Akbank Gençlik Akademisi (Nov 2025)
SIEM 101 — LetsDefend (Sep 2025)
Siber Kariyer Workshop — Techcareer.net (Dec 2024)
Audi Development Camp — Audi Development Camp (2025)
Audi Development Camp Best Team Award — Audi Development Camp (2025)
Sustain2Solve Reearth 2025 — Sustain2Solve (2025)
TNC Bilgi Teknoloji Sertifikası — TNC Group Sirketleri (2025)
Techcareer.net Participant Certification — Techcareer.net (Aug 2025)
Certification of Program (Ideathon) — Gelisen Gençliği Güçlendirme Vakfı (3G) (2025)
Digital Skills & Professional Program — Gelisen Gençliği Güçlendirme Vakfı (AGIS) (2025)
Youthside Proje Yazım Eğitimi — YouthSide.co (Feb 2025)