# Zeliha Ilgın Güven

Computer Engineering Student | AI/ML & Data Science | Product-Oriented

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## SUMMARY

Computer Engineering student who completed an Erasmus exchange in Germany, focused on Data Science, Product Management, and Intelligent Systems. Built end-to-end ML pipelines on real-world datasets, shipped production-ready web applications, contributed to AI-driven product features, and leads mentorship and community programs reaching dozens of students. Seeking internships in AI/ML, Data Science, or product-oriented roles.

## EDUCATION

**B.Sc. Computer Engineering** · *Bursa Uludağ University* 2023 – 2027

*GPA 3.16 · Data Structures & Algorithms, Computer Networks, Database Systems, AI/ML, Information Systems Management*

**Erasmus Exchange — B.Sc. Software Engineering** · *Hochschule Heilbronn, Germany* Mar – Sep 2026 · Completed

- Specialized in Intelligent Systems & Data-Driven Applications; built applied AI and neural-network expertise
- Completed coursework in Deep Learning & Neural Networks, Business Data Analytics (real-world datasets), Design Thinking & UX
- Took German language courses alongside coursework
- Won Best EdGame and Best Design at SEMCON26 for "CyberCrime," an educational game prototype designed through the Design Thinking & UX course

**Aspire Leaders Program** · *Harvard Business School* Jul – Oct 2025

- Selected among high-potential students from 100+ countries

## EXPERIENCE

**Program & Community Lead** · *MentiGuide* July 2026 – Present

- Own end-to-end program operations and community & communication across all MentiGuide programs: program execution, mentor/mentee experience, onboarding, and community management
- Oversee program flow, mentor/mentee communication, onboarding, operational processes, participant experience, and approval of the matching operation
- Collaborate cross-functionally with Growth & Entrepreneurship, Product, and Content & Social Media teams
- Track program health via session completion rate, form completion rate, no-show rate, onboarding completion, mentor/mentee satisfaction, and retention

**AI & Machine Learning Research Intern** · *HOPn, Germany* Mar – Apr 2026

- Contributed to research-focused AI/ML tasks including literature review, data analysis, and model experimentation
- Supported experimental evaluation of ML models for research-driven product features

**Research Intern — Data Science & Applied ML** · *Bursa Uludağ University · TÜBİTAK 2247-C funded* Aug 2025 – Feb 2026

- Built end-to-end ML pipelines using Python (scikit-learn, pandas, numpy) on 10K+ cellular network records; applied feature engineering and EDA to reduce preprocessing time significantly
- Developed unsupervised clustering models (K-Means, DBSCAN) for interference pattern analysis, achieving ~10% improvement in clustering quality; visualized results with Matplotlib and Seaborn
- Reviewed 25+ research papers; co-authoring an IEEE-targeted applied ML manuscript

**AI & Technical Strategy Contributor** · *OTAGG Autonomous Vehicle Team · TEKNOFEST* May – Dec 2025

- Benchmarked AI/ML perception solutions (YOLOv8, YOLOv9, edge inference architectures) using Python and OpenCV, assessing accuracy vs. real-time inference trade-offs
- Led hardware-software co-design research for LiDAR, GPU compute, and embedded AI accelerators (NVIDIA Jetson); built vendor evaluation frameworks through cross-functional collaboration

**Frontend Developer & UI/UX Contributor** · *feelize* Jun – Sep 2025

- Built responsive SaaS landing pages using React, TypeScript, and Tailwind CSS; translated Figma wireframes into production-ready code with cross-browser compatibility
- Collaborated with product and design teams to improve user flows and conversion KPIs; applied UX research methods and empathy-driven design thinking

**Product Design & AI Strategy Contributor** · *Curiosity Technology* Jan – Jun 2025

- Contributed UI/UX design and AI feature integrations to the Trusty Social open-source platform using React, Tailwind CSS, and REST APIs; improved user engagement by 59%
- Led feature prioritization discussions using Agile/Kanban workflows and Notion across a global distributed team; applied product thinking to open-source development

## LEADERSHIP & VOLUNTEERING

**Project Lead, Meslek Pusula Mentorship Program** · *MentiGuide* Jun – Aug 2026 · 2 months

- Led the Meslek Pusula Mentorship Program, coordinating 13 volunteer mentors and 16 mentees to support students throughout their university selection process
- Designed and managed a mentorship framework focused on self-discovery, informed decision-making, and career guidance through personality assessments, interests, and expectations
- Responsible for project planning, team coordination, and mentorship process management

**Mentor** · *MentiGuide* 2025 – 2026

- Provided 1:1 mentorship to students on academic and career direction, including through July 2026, before moving into the Program & Community Lead role

**Co-Lead Organizer** · *TEDxBUU* Sep 2025 – Present

**Open Source Contributor** · *PyOpenSourceTR* Apr 2025 – Present

**Event & Content Coordinator** · *UniVerse* Mar – Sep 2025

**Education Coordinator** · *Uludağ Software Community* Nov 2024 – Jun 2025

- Coordinated education programming for a 700+ member community; achieved 85% member satisfaction

## PROJECTS

NeuroSync Explorer – Multimodal Neural Intelligence Platform

- Built an AI platform unifying EEG/fMRI data and research literature into a multimodal analysis pipeline using Gemini API, JavaScript, and Canvas API. Implemented cross-modal anomaly detection, automated hypothesis generation with novelty scoring, interactive SVG brain mapping, and one-click PDF report export via jsPDF.

FinansBot – AI Finance Analytics Platform

- Developed a live BIST stock tracker with ML-powered next-day price predictions (scikit-learn, Python), NLP-based market sentiment analysis, and an investment calculator. Built with React 18, TypeScript, and Supabase; integrated Yahoo Finance & Alpha Vantage APIs. Achieved 30s auto-refresh and 99.9% uptime.

AidMap – Emergency Aid & Resource Mapping

- Built a real-time crisis coordination platform for NGOs using Next.js 14, MongoDB, Firebase, Mapbox, and WebSockets. Features role-based dashboards, live aid request mapping, offline sync, and automated low-stock alerts. Aligned with UN SDGs. Developed at OHack Summer 2025.

EcoBot – Sustainability Decision Support Tool

- Web app that estimates packaging CO2/water footprints from natural-language input, with interactive visualizations of regional water-scarcity factors for 8 Turkish cities and AI-generated recommendations.

Personal CRM – Career & Project Tracker

- Full-stack personal dashboard tracking job applications (with status and success-rate analytics), community tasks, individual projects, and academic deadlines; includes user authentication and CRUD operations.

## SKILLS

**AI/ML & Data:** Python (pandas, numpy, scikit-learn) · SQL · EDA & Feature Engineering · NLP · Supervised & Unsupervised Learning · Clustering · Data Visualization (Matplotlib, Seaborn, Recharts) · Computer Vision (YOLO) · Predictive Analytics · Statistical Analysis

**Product & PM:** Agile/Scrum · Kanban · Feature Prioritization · UX Research · Market & Competitor Analysis · A/B Testing · Product Ownership · Technical Writing · Roadmapping

**Frontend & Tools:** React.js · TypeScript · Next.js · Node.js · REST API · Figma · Git & GitHub · Jira · Notion · VS Code · Jupyter Notebook

**Soft Skills:** Analytical Thinking · Problem Decomposition · Cross-functional Collaboration · Stakeholder Communication · Adaptability · Attention to Detail · Self-directed Learning · Team Leadership · Mentorship · Ethical Decision Making

## LANGUAGES

Turkish (C1) · English (B2) · German (A1) · French (A2)