

Akif Efe KONUKSEVER

Curriculum Vitae

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Professional Summary

Highly motivated and disciplined Software Engineering student dedicated to continuous technical growth. Proven track record of solving complex problems in projects and expanding skills through professional certifications. Eager to leverage technical expertise and a results-oriented mindset to contribute effectively to RITECH's innovative goals.

Education

- 2025–Present **B.Sc. in Software Engineering**, *University of New York Tirana*, Tirana, Albania
- Current Student.
 - Focus areas: Artificial Intelligence (AI), Machine Learning, Image Processing, Object-Oriented Programming (OOP).
- 2022–2025 **Future Technology Stars Program (3-Year Diploma)**, *DENEYAP Technology Workshops (T3 Foundation & TUBITAK)*, Turkey
- Completed a 36-month education and 12-month project creating year intensive technical training program, selected among top students.
 - Gained hands-on expertise in Artificial Intelligence, IoT, Advanced Robotics, Cybersecurity, and Energy Technologies through project and researching based learning modules.
 - Graduated with a capstone project demonstrating multidisciplinary engineering skills.
- 2020–2024 **High School Diploma**, *Cezeri Green Technology Vocational and Technical High School*, Ankara, Turkey
- Specialization: Renewable Energy Technologies
 - Gained technical background in sustainable energy systems and engineering fundamentals.

Key Projects & Competitions

- 2023 **Echo Sun Bank (Renewable Energy Project)**, *Teknofest*, Team Captain
- **Disaster Relief Impact:** Following the disaster of February 6, 2023, 630 units were manufactured and installed to provide emergency lighting solutions in the earthquake zone. This project was submitted to the Turkish Ministry of National Education, and all expenses were covered by the Ministry of National Education's sponsorship.
 - Directed the team in the Technology for Humanity category to create a sustainable energy solution.
 - Designed the system architecture integrating solar energy panels with electronic control units.
 - Combined renewable energy principles with engineering solutions to maximize social impact.

- 2024–2025 **Autonomous Vehicle Project**, *Teknofest*, Team Captain
- Led the team in designing and developing an autonomous driving system for the national finals.
 - Managed the project timeline and coordinated tasks between software and hardware units.
 - Developed lane tracking and object detection algorithms using Python, C++, PyTorch and OpenCV.
- 2025 **International Robotics Competition**, *Robotic Tournament (Poland)*, Team Captain
- Led the team representing the school in an international environment, competing in multiple categories.
 - Managed technical preparations for Drag Racing, Fast Line Follower, and Robot Tug of War categories.
 - Developed adaptive competition strategies and handled technical troubleshooting for diverse robotic systems under pressure.
 - Enhanced cross-cultural communication skills by collaborating with international teams.
- 2024 **Advanced Renewable Energy System**, *METEK III Competition*, Team Captain
- Awarded 2nd Place in Turkey (National Ranking) among vocational high school projects.
 - Developed an advanced iteration of the "Echo Sun Bank" project with improved efficiency.
 - Focused on automation and optimization of the energy distribution algorithms.
 - Demonstrated leadership in engineering design and prototype presentation before the jury.
- Notable GitHub Projects**
- 2024–2025 **AtomAgent**, github.com/aToom13/AtomAgent, Open Source Project
- Developed a framework for Autonomous AI Agents utilizing multiple LLM API providers.
 - Implemented a secure Docker Sandbox environment, allowing agents to execute code in complete isolation.
 - Designed a modular architecture to facilitate seamless integration of various AI models.
 - Technologies: Python, Docker, Agentic Workflows, API Integration.
- 2025 **AtomStudy (EdTech App)**, github.com/aToom13/AtomStudy, Private Project
- Built a Flutter-based mobile app offering step-by-step AI solutions for photographed questions.
 - Integrated Firebase for backend services and Cloudflare for secure API key management.
 - Developed a personalization algorithm that analyzes student performance to suggest targeted video content.
 - Technologies: Flutter, Firebase, LLM Integration, Data Analysis.
- 2025 **AtomAI**, github.com/aToom13/AtomAI, Research Project
- Created a custom training framework to experiment with LLM architectures and **BitNet**.
 - Implemented tokenization and neural network layers using PyTorch and NumPy for educational purposes.
 - Gained deep understanding of transformer models and model optimization techniques.
 - Technologies: Python, PyTorch, BitNet, Neural Networks.

Certifications & Workshops

- 2023 **International Branding Training Program**, Ankara Development Agency
○ Completed training on global branding strategies and strategic marketing for products.
- 2022 **Cybersecurity Training Camp ("Future Hackers")**, BTK Academy
○ Attended the specialized camp focusing on cybersecurity fundamentals and vulnerability analysis.
- 2023 **Digital Entrepreneurship Workshop**, Ministry of National Education (MEB)
○ Participated in workshops designing digital entrepreneurship curriculum and startup ecosystems.
- 2019 **Applied Robotics & Coding Training (72 Hours)**, TANAP Social Investment Program
○ Completed an intensive curriculum on algorithm design, logic programming, and robotic systems.

Experience

- 2022 **Engineering Intern**, Kalyon PV, Ankara, Turkey
○ Collaborated with the technical team to perform fault detection and troubleshooting on industrial machinery.
○ Operated production line equipment, ensuring operational efficiency and adherence to safety protocols.
○ Participated in field operations, assisting in the logistical coordination and delivery of PV modules.
○ Gained practical insight into large-scale manufacturing workflows and automation systems.
- 2021–2024 **Student Technician**, Cezeri Production Unit (School Revolving Fund), Ankara, Turkey
○ Manufactured and assembled electrical components, specifically **Rheostats** and Transformers.
○ Conducted performance testing and quality control on produced units to meet commercial standards.
○ Executed on-site Solar Panel (PV) installations, ensuring proper mounting and electrical connections.
○ Applied technical engineering knowledge in real-world commercial projects.

Technical Skills

- Programming Python, C++, Dart, MicroPython, HTML, CSS
- AI & ML PyTorch, TensorFlow, OpenCV, LangChain, LLM Fine-tuning, Agentic Workflows
- Embedded Arduino, Proteus, Eagle, Circuit Design
- CAD & Design Fusion 360, AutoCAD, FreeCAD
- DevOps & Cloud Docker, Git, Linux, Firebase, Cloudflare

Languages

- Turkish Native
- English B1-B2