Duran Gezer

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Fourth-year Computer Engineering student focused on AI/ML engineering, RAG-based systems, and modern software architecture. Experienced in building applied AI projects using Python, FastAPI, React Native, PostgreSQL, Docker, OpenCV, TensorFlow, and Scikit-learn. Developed projects involving LLM integration, vector-based retrieval, computer vision, data processing, and API design. Actively contributing to student developer communities while improving my skills in system design, MLOps, and cloud technologies.

Education

Inonu University Malatya, Türkiye
Bachelor of Computer Engineering 2022-2027
GPA: 2.87/4.00
Relevant Coursework:

• Data Structures & Algorithms, Object-Oriented Programming, Database Systems, Artificial Intelligence, Image Processing, Computer Networks, Programming Language.

Experience

HSD Inonu (Huawei Student Developers) Malatya, Türkiye
Vice Chair of DevOps Committee October 2025- Present

- Support the planning and execution of DevOps-focused community initiatives.
- Contribute to containerized application workflows using Docker.
- Help organize technical sessions on CI/CD, deployment practices, and software delivery culture.
- Collaborate with technical teams to improve development and deployment awareness within the community.

Inonu University Cybersecurity Community Malatya, Türkiye
Head of Organization Team November 2024 – September 2025

- Led the planning and execution of community events, workshops, and training programs.
- Coordinated event logistics, team responsibilities, and participant communication.
- Improved internal workflow, task distribution, and cross-team coordination.

Awards & Achievements

TUA Astro Hackathon Malatya – 5th Place Malatya, Türkiye
Team Leader March 2026

- Led the team in developing a radiation-sensitive telemetry data recovery system for space-related data processing.
- Coordinated task distribution, technical planning, and final project presentation under hackathon time constraints.
- Ranked 5th among participating teams with a project focused on anomaly detection, data cleaning, and telemetry signal restoration.

Projects

AliagaAI — RAG-Based Smart City Assistant (GitHub Link)

- Developed a RAG-based smart city assistant using FastAPI, PostgreSQL, pgvector, and Docker Compose. Implemented hybrid SQL/vector retrieval, intent analysis, local data indexing, and grounded LLM response generation for a React Native mobile application.

Technologies: Python, FastAPI, PostgreSQL, pgvector, Docker Compose, React Native, Expo, Groq Llama 3.3, APScheduler, BeautifulSoup4

AI Dream Interpreter (GitHub Link)

- Built a mobile AI dream journaling and interpretation platform with contextual dream history, persona-based interpretation flows, and AI orchestration using Gemini/Groq failover with Firebase-backed user and dream data storage.

Technologies: React Native, Expo, TypeScript, Node.js, Express, Firebase, React Context API

Skills

Programming Languages: Python, JavaScript/TypeScript, Java, C#, SQL
AI/ML: Machine Learning, Deep Learning, CNNs, Reinforcement Learning, Computer Vision, RAG, LLM Integration
Frameworks & Libraries: FastAPI, React, Next.js, React Native, Expo, TensorFlow, Keras, Scikit-learn, OpenCV, Pandas, NumPy
Backend & Databases: Node.js, PostgreSQL, Firebase Firestore, .NET
Retrieval & Vector Search: pgvector, Vector Search, Semantic Retrieval
DevOps & Tools: Docker, Docker Compose, Git, GitHub, GitHub Actions, CI/CD Pipelines, Postman
Languages: Turkish (Native), English (B1)