

İbrahim Furkan Yılmaz

Computer Engineering Student

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if-ies.com | github.com/IF-ies | linkedin.com/in/ibrahim-furkan-yilmaz-7645a8209

Summary

Third-year Computer Engineering student at Abdullah Gül University. I completed the Microsoft AI Innovators Internship Program in summer 2026. I build my own mobile and web products: five of my apps are live on Google Play, and a manufacturing execution system I wrote for a defense industry company is in daily use on the factory floor. I am looking for a software internship or research position for summer 2027.

Experience

Intern, AI Innovators Internship Program | Microsoft Jun 2026 – Aug 2026

- Built a document question-answering assistant (RAG) that runs fully offline with Microsoft Foundry Local (Python, SQLite).
- Compared six language models on the same question set, wrote 62 automated tests and released the project as open source.
- GitHub: github.com/IF-ies/FoundryLocalRAG

Freelance Software Developer | A defense industry company 2026 – Present

- Built a web-based manufacturing execution system (MES) on my own, covering inventory, warehouse, work orders, labels and barcodes, stock counts and reporting (Next.js, TypeScript, Prisma, PostgreSQL, Docker).
- The system is used every day on tablets by the production and warehouse teams. I also handle releases, backups and testing.

R&D Project Assistant (part-time) | DigiGarden, Kayseri Oct 2025 – Dec 2025

- Collected soil data in the field for AI models and prepared it for model training.

Teaching Assistant, COMP 101 (part-time) | Abdullah Gül University Oct 2024 – Dec 2024

- Supported students in the lab sessions of the introductory Java programming course.

Published Products

- [Evdes](#) (Google Play): Shared expense, receipt and bill tracking for housemates. Flutter, Firebase, 7 languages.
- [PayDas](#) (Google Play): Splitting the costs of trips and events. Flutter, Firebase, 7 languages.
- [Sayılı](#) (Google Play): Estimates how many more times you will meet the people you love. Flutter, Firebase, 17 languages.
- [LexiFlow](#) (Google Play): Word puzzle game built in a team of two. Flutter, SQLite, Firebase.
- [SAGUN](#) (Google Play): Medication and patient tracking app. Flutter, Next.js.
- [if-ies.com](#): My portfolio, plus course planning and grade calculation tools for students of my university. Next.js, Vercel.

Other Projects

- Marketplace integration:** Order and profit/loss tracking across six online marketplaces (in progress). NestJS, Next.js, Python.
- Local voice assistant:** A voice assistant that runs locally on a PC. Python, FastAPI, Ollama.
- Custom booking app:** Appointment management for a local business. Flutter, Firebase.
- AkçePay:** Digital wallet project designed in a team of five.
- Secure Mail:** Encrypted email system using RSA and AES, built in a team of six.

Education

B.Sc. in Computer Engineering | Abdullah Gül University, Kayseri 2022 – Present

Third year | GPA: 2.96 / 4.00 | Language of instruction: 100% English

Fetullah Bayır Science High School | Beyşehir, Konya 2022

Diploma grade: 92.14 / 100

Skills

Mobile: Flutter, Dart, Firebase, SQLite, Google Play release process

Web and backend: Next.js, TypeScript, Node.js, NestJS, Prisma, PostgreSQL, Docker, Vercel

Programming languages: Dart, TypeScript, Python, Java, C

AI: RAG, local language models (Foundry Local, Ollama), AI-assisted development tools

Security: Cryptography (RSA, AES), information security basics

Tools and hardware: Git, Figma, Arduino, SolidWorks, Xilinx Vivado

Languages: English (B2, certified by the AGU School of Foreign Languages), Turkish (native)

Other

- TEKNOFEST High School UAV Competition (2020): Unmanned aerial vehicle design in a team of six.
- Founded an e-commerce venture in baby products and managed its marketplace integrations.
- References: Asst. Prof. Gülay Yalçın Alkan (Ankara Yıldırım Beyazıt University), Selin Özşahin Yılmaz (Planning Engineer). Contact details available on request.