



Ali Duman

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ABOUT ME

I'm Ali Duman, an Android Developer passionate about creating scalable, user-friendly mobile apps. I work with Kotlin and Jetpack Compose to build high-performance applications. I built AI-powered apps like ChatAI. I'm always eager to learn new technologies and collaborate on innovative solutions.

WORK EXPERIENCE

Univenn Startup Studio – İzmir, Türkiye

City: İzmir | Country: Türkiye | Website: <https://univenn.com/>

Android Developer

[01/2025 – 06/2025]

As an Android Developer Intern at Univenn Startup Studio, I engineered modular Android apps in Kotlin, Jetpack Compose, and XML, orchestrating data flow with Apollo GraphQL, Coroutines, and Flow. I drove revenue by implementing in-app purchase and subscription funnels through RevenueCat and Adapty, complete with dynamic paywalls and balance handling. To ensure robust offline performance, I built persistent data layers with Room, DataStore, and SharedPreferences, while optimizing media pipelines via AWS S3 integration and ExoPlayer using profiling and debugging tools. My work spanned feature development and maintenance for the [KitUP](#) audiobook app and the [Flux AI photo-generation app](#), where I added multilanguage localization, introduced Hilt-based dependency injection, and embedded Firebase Analytics, Crashlytics, and Cloud Messaging for insight-driven iteration. Upholding MVI architectures and Material Design principles, I collaborated in Agile/Scrum rituals and leveraged Git/GitHub to deliver performant, maintainable user experiences.

Project Coordination Application and Research Center, Manisa Celal Bayar University – Manisa, Türkiye

City: Manisa | Country: Türkiye | Website: <https://proje.mcbu.edu.tr/>

Software Developer Internship (National Internship Programme)

[07/2024 – 10/2024]

Article and Project Tracking Systems were developed for use at Manisa Celal Bayar University using technologies such as PHP, HTML, CSS, Bootstrap, ASP.NET, and C#. These projects are designed to streamline and enhance the management processes of articles and projects.

ENM Digital – Manisa, Türkiye

City: Manisa | Country: Türkiye | Website: <https://enmdigital.com/>

Software Developer Internship

[12/2023 – 07/2024]

Support was provided to the team at ENM Digital in the design and coding of products under development.

PROJECTS

ChatAI: Chat with AI Asistants

ChatAI is a comprehensive Android mobile application where users can interact with AI assistants of different personalities. This project, which offers 29 specialized chatbots in various fields such as relationship counseling, health and fitness, language learning, and education, was developed using Clean Architecture and MVI (Model-View-Intent) design patterns. The modern and responsive user interface was built with Jetpack Compose, while screen navigation is managed by the Navigation Component. For data persistence, chat history is stored in a Room Database, and user settings are handled using Jetpack DataStore. The application's dependencies are managed with Dagger Hilt, and the AI functionality is powered by the Firebase AI SDK, which integrates Google's Gemini 2.0 Flash Lite model. Key features include saving favorite chatbots, managing chat history, sharing content and a system for reporting AI responses. The project aims to create a user-friendly and scalable AI chatbot platform using modern Android development practices.

Link: <https://play.google.com/store/apps/details?id=com.aliduman.chatai>

[03/2024 – 03/2025]

Pregnancy Companion: A Social Support and Health Application for Expectant Mothers (TÜBİTAK 2209B)

I developed the "Pregnancy Companion: A Social Support and Health Application for Expectant Mothers" project, supported and funded by TÜBİTAK 2209-B. The project aims to facilitate information sharing among pregnant women, establish support networks, and raise health awareness through a mobile app that integrates social media features. I designed the UI in Canva and Figma, implemented the Android app natively with Jetpack Compose, and managed backend services using Firebase. We employed the MVVM architecture to ensure clean, maintainable code.

TümTürkçe (TÜBİTAK - 1001)

Within the scope of the TÜBİTAK-1001 supported project "Integrated Language Skills-Based Learning and Teaching Process in Primary School Turkish Lessons", I developed a digital communication and collaboration platform for 4th grade Turkish teachers. The application was created using Kotlin and Jetpack Compose with MVVM architecture, designed according to Material Design 3 standards.

In the technical infrastructure, the Firebase ecosystem was utilized; Authentication, Firestore, Storage, and Cloud Messaging integration provided secure user management, data storage, and push notification system. Dependency management was achieved through Hilt dependency injection, asynchronous operations through Kotlin Coroutines, and performance optimization through pagination.

In terms of usage and impact, the application is actively used by more than 100 4th grade Turkish teachers, facilitating information sharing and collaboration processes among teachers. The platform contributes to the digital transformation process in Turkish education, meeting teachers' needs for pedagogical material sharing and professional development.

Link: <https://www.instagram.com/tumturkce/>

[07/2024 – 11/2024]

Fuzzy Logic - 2 (TÜBİTAK - 4005)

I served as a guide in the Fuzzy Logic 2 project, held at Gaziantep University from September 10-15, 2024, and supported for the second time by the TÜBİTAK 4005 program. This project aimed to solve real-life problems using AI-supported fuzzy logic. The program provided theoretical and practical training on artificial intelligence and fuzzy logic theory, as well as training for teachers on AI-based measurement and evaluation tools. I developed the project website using HTML, CSS, JavaScript, and Bootstrap, actively contributed to social media management, prepared necessary designs, and played an active role in budget and project management processes. Write here the description...

Links: <https://fuzzylogic.mcbu.edu.tr/> | <https://www.instagram.com/fuzzylogicestu/>

[12/2023 – 06/2024]

STREAM It Up!-3

I served as a executive assistant in the “STREAM It Up! - 3” project, organized by Manisa Celal Bayar University and the STEM Educators Association, and supported by the U.S. Embassy. The project aimed to enhance young people's STEAM and Artificial Intelligence skills integrated with English language education. Additionally, it focused on supporting 21st-century skills such as leadership, communication, and teamwork. I actively contributed during both the online and in-person phases. My responsibilities included conducting interviews and selecting students, communicating with instructors, developing the project website using HTML, CSS, JavaScript, and Bootstrap, creating designs, planning in-person stages, managing the project budget, and providing Scratch training to students.

Link: <https://stream.stemegitimciler.org/siu3/>

[10/2022 – 07/2023]

Innomath (Teknofest 2023)

I participated in the Teknofest 2023 Educational Technologies Competition at the University and Above Level with a project named “Innomath.” The project team consisted of 3 computer engineering students, 5 mathematics students, and 1 advisor. The aim of the project was to develop a mobile application to facilitate mathematics education for visually and hearing-impaired primary school students. The application featured voice commands for visually impaired students, as well as visual tools and functionalities like phone-shaking for hearing-impaired students. In this project, I was responsible for the application's design, Android platform development, reporting, and testing with students. The project was managed using GitHub for version control, while Firebase was utilized for backend functionalities. The application was developed using Kotlin with XML and incorporated technologies such as WorkManager, Coroutines, Flow, Retrofit, and Room.

Link: <https://github.com/alidumanyp/InnoMath>

EDUCATION AND TRAINING

Bachelor's Degree in Computer Engineering (English)

Manisa Celal Bayar University [08/2021 – 06/2025]

City: Manisa | Country: Türkiye | Website: en.mcbu.edu.tr | Final grade: 3.43/4.00

School of Foreign Languages

Manisa Celal Bayar University [08/2020 – 06/2021]

City: Manisa | Country: Türkiye | Website: <https://en.yabancidiller.mcbu.edu.tr/>

SKILLS

Kotlin / Jetpack Compose / Android Jetpack - ViewModel, DataBinding, etc / Material Design 3 / Navigation Component / Java / XML / MVI, MVVM / Clean Code, Clean Architecture, SOLID / Repository Pattern / Dependency Injection (HILT) / Coroutines / Flow / GraphQL/Apollo / Retrofit / ExoPlayer / WorkManager / Firebase (Auth, Firestore, Analytics, Crashlytics, Messaging) / Room Database / DataStore / AWS S3 / RevenueCat / Adapte / In-App Purchases / Subscription Management / Git & GitHub / Agile / Scrum

REFERENCES

Mehmet Nuri ÖĞÜT - General Manager at ENM Digital

05514061190

Link: <https://enmdigital.com/>

Murat ÖDEMiŞ - Founder at Univenn Startup Studio

05349143355

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