

Kemal Kubilay Yılmaz

Senior Computer Science Student - Bilkent University

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Skills

Java | Python | JavaScript | C++ | MIPS Assembly | Kotlin | Android Studio | Spring | Git
Scrum | Jira | CI/CD | API Integration | PostgreSQL | MySQL | ER Modeling | Query Languages |
RabbitMQ | Microservice Architecture Knowledge

Experience

Vestel | Internship

İzmir, Türkiye | 08.2023 - 09.2023

Related Skills: Python | AI Model Knowledge | Fedora OS | Git | Scrum | Jira

- Implementing a proof-of-concept **text-to-image generator** utilizing an open source project, demonstrating the feasibility of creating an independent AI system on a local machine.

AKBANK | Internship

İstanbul, Türkiye (Remote) | 06.2022 - 08.2022

Related Skills: Java | Kotlin | Android Studio | C++ | Frida | JavaScript

- Worked in the security architecture department for 2 months
- Designed a deterministic random number generator class to encrypt and decrypt embedded literals in **Java**
- Utilized **JNI** to bridge Java and **C++** for determining file descriptor types on Android devices
- Applied root detection bypassing technique using the **FRIDA** penetration tool

Bilkent University | Student Guide for Prospective Students

Ankara, Türkiye | 06.2022 - Present

Related Skills: Team Leadership | Team Player | Effective Communication |
Problem Solving | Time Management | Adaptability

- Took responsibility for the organization and management of several university introduction tours for high school student
- Management of more than 6 campus tours weekly, assignment of guides and places for visitors
- Responsible for one-year education of 8 guides throughout an academic year
- Participated in several out-of-town fairs annually

Bilkent University | Physics Course Grader

Ankara, Türkiye | 02.2023 - 06.2023

- Responsible for grading General Physics 2 course quizzes of 60 students per week

Education

İ. D. Bilkent University | Computer Science (Engineering)

Ankara, Türkiye | 08.2020 - 06.2024

CGPA: 3.22 - Honor Student

Mersin Yahya Akel Science High School

CGPA: 95.34 / 100

Projects

CapyNotes (AI based note generation tool)

09.2023 - Present

Related Skills: Python | API Integration | AI Model Knowledge | ER Modeling | Scrum | Jira

Git | PostgreSQL | Query Languages | RabbitMQ | Microservice Architecture Knowledge

- Took a part in the design of **ER Model** of the project
- Designed and implemented **summarization** and **keyword extraction** service of the project utilizing different AI models and **Gemini API** integration
- Implemented messaging queue services among 4 microservices of the project utilizing **RabbitMQ**

OutLink (Social Media for Professionals)

02.2023 - 06.2023

Related Skills: Java | Spring | Query Languages | PostgreSQL

- Created queries based on the need for a career social media application
- Designed controllers, models and services of many features such as job advertisement, job application and profile editing in Spring framework.

BEAM (Bilkent Erasmus Application Manager)

09.2022 - 12.2022

Related Skills: Java | Spring | Query Languages | MySQL

- Designed controllers, models and services for profile page viewing, approval requests for different Erasmus application forms and form reviewing processes in the application
- Designed automatic **pdf generator** for 2 application forms integrated with a digital signature utilizing **iText Java PDF** library

Questyard

02.2022 - 05.2022

Related Skills: Java | MySQL

- Responsible for database and backend connection in a desktop application of an educative game.

Extracurricular Activities

- **Student Council representative** of computer science students at Bilkent University for 2023-2024 academic year.
- Social Awareness Projects at Bilkent University
 - Project manager of Volunteer Education Project
 - Active member of Railway Line Support Project
- Active and **former board member** at Classical Turkish Music Society at Bilkent University
- **Founder board member** of Bilkent Natural Disasters Club

Hobbies

- **Singing:** Currently undertaking individual singing lessons focused on Italian Opera. Additionally, amateur singer in traditional Turkish music.
- **Squash:** Beginner level player
- **Skateboarding:** Beginner level skater
- **Swimming:** Active amateur swimmer