

Cenker Akan

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Education

Computer Science Major **Bilkent University** **2021 September – 2025 June**

- 3rd grade honor student with a CGPA of 3.40.
- Ranked 6767th out of 2.5 million candidates in the University Entrance Exam (YKS).

Work Experience

Part-Time Backend Developer **AppNava** **2023 September – Present**

- Implemented data extraction from Decision Tree Models using tree traversal algorithms. Processed the extracted data for smooth integration and usability on the frontend, making machine learning model outputs accessible and functional for the frontend user interface.
- Used Scikit-learn and Pandas to sort and list the important features of trained models, delivering valuable insights for data-informed decision-making.
- Utilized Docker for efficient containerization, Django for robust web application development, and PostgreSQL for effective data management.
- Successfully fixed 5 email systems, ensuring timely communication with customers.
- Developed a user-friendly email settings system within the profile section, enabling users to customize their email notification preferences granting them full control over their inbox.

Full Stack Developer Intern **Datateam Information Technologies** **2023 July – 2023 September**

- Developed StudyFury, a comprehensive full-stack web application designed to enhance in-house productivity using the MEVN (MongoDB, Express.js, Vue.js, Node.js) stack. The application includes features such as a to-do list for task tracking, an in-house blog page for communication, a focus timer to enhance self-productivity, and a statistics page for visualizing and analyzing user progress, aiming to contribute to an increase in workplace efficiency. [StudyFury Server](#) | [StudyFury Client](#)
- Created Entity-Relationship (ER) diagrams and designed the database architecture for the project.
- Applied Agile methodologies, actively participating in Daily Stand-Ups, ensuring efficient project development and delivery.

Projects

Portfolio Page | Personal Project

Used Technologies: HTML, CSS, JavaScript. [Website Link](#)

- Developed a static portfolio page to effectively showcase the skills and abilities, allowing for a compelling self-presentation.

Bilkonnekt | Course Project

Used Technologies: MongoDB, Node.js, Express.js, React.js, Next.js. [Website Link](#)

- Led a team of six as the backend developer and group leader for a social marketplace application project named Bilkonnekt, utilizing the MERN stack.
- The project encompasses various features, including second-hand sales, donations, a social feed, and messaging.
- Vercel and Cyclic are used to host the project. Access control and security are implemented using JWTs and NextAuth.js. Firebase Storage is used to store images.
- Decided on functional and non-functional requirements through requirements elicitation. Analyzed and modeled the project with Unified Modeling Language (UML), establishing object and dynamic models. Drew use case, class, activity, sequence, and state machine diagrams.

Wind Tunnel Simulation | Personal Project

Used Technologies: Unreal Engine 5, C++. [Project Link](#)

- Developed a wind tunnel simulation using Unreal Engine 5 in the Infinia Software Development Hackathon by a team of two. Presenting the project to the jury, successfully passing pre-selection rounds, and securing a spot in the final round.
- Parameters such as temperature, particle velocity, and diffusion rate can be edited, and their effects on the wind tunnel can be observed. An airplane wing, a sports car, and a standard car model can be examined in the simulation.

Heritage of Roots | Personal Project

Used Technologies: Unity, C#. [Project Link](#)

- Developed a two-dimensional endless runner game using Unity by a group of six in the Game Circle Global Game Jam.
- The game was developed to raise awareness about environmental issues prevalent in our world. The gameplay involves navigating down a tree, inspecting its roots, and avoiding obstacles such as garbage, plastic bottles, and cans.

Technical Skills

Java, C++, C#, Python, Django, Flask, JavaScript, Node.js, Express.js, Vue.js, React.js, Next.js, PostgreSQL, MySQL, MongoDB, HTML, CSS, Docker, GitHub.