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Education	Sep. 2021 - Jan. 2026	Sabancı University <ul style="list-style-type: none">BSc- Computer Science & Engineering
Work Experience	Aug 2025 - Sep 2025	Eren Holding (Modern Karton)-Software Engineering Intern <ul style="list-style-type: none">Developed an end-to-end customer service automation system to streamline internal workflows.Implemented machine learning models to auto-classify customer messages.Built a custom web interface for internal teams to manage requests.Integrated AI-powered auto-responses for frequently asked queries.Ensured seamless integration with existing relational databases.
	Jul 2025 - Aug 2025	Tübitak Bilgem - Software Engineering Intern/ Frontend Tech Lead <ul style="list-style-type: none">Led 9 frontend developers to deliver internal-use software.Selected the frontend tech stack for web and mobile platforms.Worked as part of the UI/UX team, collaborating to transform business requirements into detailed Figma designs.Conducted code reviews and ensured code quality across platforms.Tech Stack: React, Vite, Redux, TypeScript, Zustand, TailwindCSS, Flutter, Figma, Ant Design
	July 2024 - Mar 2025	Rudiq – Software Engineer <ul style="list-style-type: none">Created data scraping pipelines for business intelligence.Built full-stack services using Go, MongoDB, and Next.js.Refactored legacy systems, introducing QA and version control.Containerized and deployed systems using Docker and Kubernetes.
	Jan. 2022 - June 2024	Sabancı University Collaboration Space - Assistant <ul style="list-style-type: none">Conducted hands-on workshops on 3D printing and digital fabrication for hundreds of high school, undergraduate, master’s, and PhD students.Developed strong public speaking and teaching skills through continuous interaction and mentoring.Delivered training sessions focused on additive manufacturing techniques, helping students bring their ideas to life using makerspace resources.
	2025 Sep. - 2026 Jan	Smart Wheel Chair <ul style="list-style-type: none">Built IoT-enabled smart wheelchair with smartphone/smartwatch integration for control and health tracking.Used ML to monitor user activity, give health recommendations, and detect anomalies.Integrated LiDAR for precise depth sensing, obstacle detection, and safe navigation.Produced all parts via 3D printing for cost efficiency and customization.Tech Stack: Raspberry Pi, Python, Machine Learning, LiDAR, 3D Printing, IoT
Projects	2025 June	Hotel Room Image Search System AI <ul style="list-style-type: none">Built an AI-powered hotel room search tool using GPT-4 Vision for image-to-text conversion and Sentence Transformers for semantic search.Designed a hybrid ranking system with semantic and keyword filtering, plus in-memory caching for faster results.Supported multi-criteria search including room type, view, amenities, capacity, and furniture.Tech Stack: Python, GPT-4 Vision, Sentence Transformers, Semantic Search, Caching
	2025 April	Rocket Match: Mobile Puzzle Game <ul style="list-style-type: none">Built a mobile puzzle game with 10 levels, match-3 mechanics, rocket power-ups, and obstacle objectives.Implemented grid-based gameplay, dynamic cube matching, rocket combos, and DOTween animations optimized for mobile.Designed modular architecture with JSON-based level loading, event-driven design, and a save system using Unity URP for performanceTech Stack: Unity, C#, DOTween, JSON, URP

Other Projects	2025 June	Web Horse Racing Game <ul style="list-style-type: none"> Developed a dynamic horse racing simulation game using Vue3 with TypeScript, featuring animated race visualization and real-time position tracking. Implemented a multi-round race scheduling system and responsive design for cross-device compatibility. Managed state using Pinia and created UI components with PrimeVue, enriched with CSS3 animations for engaging visuals. Tech Stack: Vue 3, TypeScript, Pinia, PrimeVue, CSS3 Animations
	2025 Aug.	N8N Automation Server <ul style="list-style-type: none"> Configured a self-hosted n8n automation server on Raspberry Pi to manage personal tasks, reminders, and production workflows. Developed custom workflows using Node.js, API integrations, and webhooks for task automation, scheduling, and real-time notifications. Utilized Raspberry Pi OS for lightweight, energy-efficient, and 24/7 operation. Tech Stack: n8n, Raspberry Pi, API Integrations, Webhooks, Raspberry Pi OS
	2025 May	Raspberry Pi Scanner <ul style="list-style-type: none"> Standalone document scanner with ad-hoc networking, Python, OpenCV, OCR, Flask UI.
	2024 Dec.	Ios/Android Messaging Application <ul style="list-style-type: none"> Backend written in Java, implemented with Spring, Docker. Frontend designed in React Native.
	2024 Nov.	Custom Compiler Design <ul style="list-style-type: none"> Custom compiler for a custom programing language Developed using Flex and Bison
	2024 Oct.	Cryptographic Primitives for BlockChain <ul style="list-style-type: none"> Software for digital signature, transactions, and proof of work. Used Elliptic Curve DSA and SHA3_256
Skills	2024 Jan.	Image Recognition with Edge TPU <ul style="list-style-type: none"> Custom Football counter using object recognition and object tracking on Google Coral Dev Board
	2023 Nov.	Custom Large Language Model Adapter <ul style="list-style-type: none"> Creation of a custom dataset from open sources. Trained Falcon 7B LLM.
		Programing Languages: Python, C++, Java, JavaScript, TypeScript, SQL, Go, C#, C, HTML, CSS, Prolog, Scheme, Bison, Flex
		Frameworks PostgreSQL, MySQL, MongoDB, Firebase, Node.js, FastAPI, Django, Spring Boot, React, React Native, NextJS, Vue, Vite, Selenium, BeautifulSoup, OpenCV, Flask Tensor Flow, Scikit-learn, Pandas, NumPy, Matplotlib,
Activities		Apps and Tools: Docker, Kubernetes, Github, Jira, Miro, Unity, Figma, Canva, Blender, Photoshop, Microsoft Office Programs, Solidworks
		Language: Turkish (Native), English (Advanced), German (Beginner)
Voluntary Work	2021 Sep. - 2024 Jan.	Sabancı University Airsoft Club, Board Member / Co-President
	2022 Dec. - 2023 June	International Relations, Diplomacy and Politics Club, President
	2023 May - 2024 June	Sabancı University Debate Club, Board Member
Feb. – June 2022		Sabancı University Civil Involvement Projects – Voicing books for visually impaired children (Le Petit Prince)