



ARHAN DONERKAYA

Nationality: Turkish **Date of birth:** 28/11/2005 **Place of birth:** ISTANBUL, Türkiye

Phone number: (+90) 5446774478 **Email address:** arhandonerkayaeu@gmail.com

Email address: arhandonerkaya20@gmail.com

Home: ISTANBUL (Türkiye)

EDUCATION AND TRAINING

ANATOLIAN HIGH SCHOOL DIPLOMA

KADIR HAS ANATOLIAN HIGH SCHOOL [09/2020 – 06/2024]

City: ISTANBUL | Country: Türkiye

LANGUAGE SKILLS

Mother tongue(s): Turkish

Other language(s):

English

LISTENING C1 READING C1 WRITING B2

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

Spanish

LISTENING A1 READING A1 WRITING A1

SPOKEN PRODUCTION A1 SPOKEN INTERACTION A1

Italian

LISTENING A1 READING A2 WRITING A1

SPOKEN PRODUCTION A1 SPOKEN INTERACTION A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

CERTIFICATIONS

[University of California, San Diego, 2026]

Data Structures and Algorithms Specialization (In Progress - Expected Completion: August 2026) Engaged in a rigorous specialization focused on mastering algorithmic design and complex data structures (Hash Tables, Graphs, Trees). The curriculum emphasizes computational complexity analysis (Big O) and the implementation of optimized solutions using Dynamic Programming. My objective is to engineer high-performance, scalable backend systems by applying advanced mathematical foundations to real-world software challenges.

[Stanford University & DeepLearning.ai, 2026]

Machine Learning Specialization (In Progress - Expected Completion: June 2026) Engaged in a comprehensive specialization by Stanford University and DeepLearning.AI covering the foundations of Modern Machine Learning. The curriculum focuses on building and training predictive models using Linear and Logistic Regression, Artificial Neural Networks, and Decision Trees. My objective is to master Supervised and Unsupervised Learning techniques—including Clustering and Anomaly Detection—to engineer intelligent, data-driven features for scalable software applications.

[Harvard University, 03/2026]

CS50: Introduction to Computer Science Successfully completed Harvard University's rigorous introduction to the intellectual enterprises of computer science and the art of programming. Gained proficiency in a robust curriculum covering C, Python, SQL, and JavaScript, with a strong emphasis on algorithmic efficiency, data structures, and resource management. Developed a full-stack web application using the Flask framework, demonstrating the ability to design scalable databases and implement secure, dynamic user interfaces. This certification solidifies my foundation in software engineering principles and complex problem-solving.

PROJECTS

[10/2025 – Current]

Personal Portfolio Website Designed and developed a personal portfolio website to showcase projects, technical skills, and product-building experience. The website presents a curated selection of full-stack SaaS applications with a clean, minimal

interface focused on clarity and usability. Key Features:

- Structured presentation of projects with clear descriptions and live links
- Minimal and responsive UI design for optimal user experience
- Focus on readability and professional presentation
- Centralized hub for personal work and technical portfolio

Technologies: Next.js, React, TypeScript, CSS

Link: <https://arhandky.dev>

[03/2026 – Current]

VOID — Interactive Coding Playground A collection of 9 browser-based experiments built entirely with vanilla JavaScript and zero external dependencies, consisting of over 8,000 lines of code. Key Features:

- Real-time fluid dynamics and gravity physics simulations
- WebGL-powered 3D particle systems and generative visual effects
- Audio synthesis engine built using the Web Audio API
- Custom platformer game with advanced collision detection
- Fully simulated desktop operating system within the browser
- Achievement system with progress tracking and hidden easter eggs

Technologies: JavaScript, Three.js, WebGL, Web Audio API, Canvas API

Link: <https://hahavoid.com>

[03/2026 – Current]

GATE — AI Exam Generator & Study Platform AI-based exam generator with validation system. Key Features: - AI question generation + validation system (2-step AI – cross validation) - LaTeX math support - Custom exam builder (AI support) - Weak-area analytics

Tech: Python, Next.js, FastAPI, OpenAI, Claude, PostgreSQL, Redis, Docker

Link: <https://gate.study>

[02/2026 – Current]

SafeAgentDB — AI Database Python Library Open-source safety layer for AI database operations. Key Features: - Sandbox database execution - Multi-layer validation system - Cross-database support

Tech: Python, SQLAlchemy, Pydantic

Links: <https://github.com/sippinonstraightchlorine/safeagentdb> | <https://pypi.org/project/safeagentdb/>

[02/2026 – Current]

Cafly.app — QR Menu Platform & Café/Restaurant Organization Platform Digital menu and restaurant system with real-time ordering and AI assistant. Key Features: - Real-time order system (WebSocket) - AI-powered menu assistant (Claude API) - Role-based access (owner/staff) - Subscription billing system

Tech: Python, Next.js, FastAPI, PostgreSQL, Redis, Claude, WebSocket, Docker

Link: <https://cafly.app>

[01/2026 – Current]

FreelancerOS — The Freelancer Conversion Engine Developed an all-in-one freelancer business platform with real-time messaging, invoicing, CRM, and analytics. Key Features: - Real-time Websocket notifications - JWT authentication + OAuth 2.0 - Subscription system (Lemon Squeezy) - Full-text search & analytics - Docker-based deployment with Caddy

Tech: Python, Next.js, FastAPI, PostgreSQL, Redis, Docker, React, TypeScript

Link: <https://freelanceros.io>

[07/2025 – Current]

CrevaAI — AI Design Platform AI-powered design and listing generation platform for print-on-demand sellers. Key Features: - AI model routing system (Gemini / DALL-E / GPT fallback) - Trend discovery engine - Interactive design canvas

Tech: Python, React, FastAPI, PostgreSQL, Gemini, OpenAI, Docker

Link: <https://creva.design>

[06/2025 – Current]

Legy.fi - AI Legal Assistant Built a full-stack AI legal platform for document analysis and chatbot support. Key features: - AI Document Summarization: Automatically analyzes and summarizes legal documents with multilingual support - Legal Risk Detection: Identifies potential risks, inconsistencies, and critical clauses in documents - AI Legal Chatbot: Allows users to ask legal questions and receive structured, context-aware responses - Case Management System: Enables users to organize clients,

documents, and legal workflows in one place- Usage-Based AI System: Smart usage tracking and cost optimization across Free and Pro plans- Secure Authentication: Email verification, password reset, and protected user data environment- Multi-language Support: Designed for global usage across different legal systems and languages

Tech: Python, HTML, FastAPI, React, PostgreSQL, OpenAI, Docker

Link: <https://legyfi.com>

CREATIVE WORKS

[04/2025 – Current]

Vibbe Studio – Creative Tech & Micro SaaS Studio Founded and leading Vibbe Studio, a creative technology studio focused on developing innovative Micro SaaS products and AI-powered digital solutions. The studio brings together software engineering, design, and product thinking to build scalable, user-focused applications.

Led the development of multiple projects including AI-based platforms, analytics tools, and digital services across various domains. Focused on creating modern, minimal, and high-impact user experiences while maintaining strong technical architecture.

Link: <https://vibbe.studio>

ARTISTIC EXPERIENCE

[2023 – Current]

Live Performer (Vocalist / Multi-instrumentalist)

- Performed in professional venues and public settings, including Dorock XL (Kadıköy), smaller venues in Beşiktaş, inter-school performances, and live street performances
- Participated in a school-organized inter-school music event and received a performance certificate (“Grup Serbest”)
- Collaborated within a band, taking active roles across multiple instruments and contributing to live arrangements
- Developed strong stage presence, adaptability, and audience engagement through diverse performance environments

VOLUNTEERING

[02/2023] Istanbul, Turkey

Volunteer – Earthquake Relief Support

Contributed to relief efforts following the February 6, 2023 Türkiye earthquake (Hatay).

Assisted in packaging and organizing essential aid supplies for affected regions at Yalçın Kızılay Indoor Sports Hall.

SKILLS

Guitar (bass, electric, acoustic, classical) / Piano / Drums / Lead Vocalist / Music production using FL Studio / Strong Mathematical Thinking / Problem-solving / Analytical Reasoning / Programming Languages: Python, TypeScript, JavaScript / Frameworks: FastAPI, React, Next.js / Databases: PostgreSQL, Redis / Tools & Technologies: Docker, Caddy, WebSockets, SQLAlchemy, VPS Management / AI Integration: OpenAI API, Anthropic Claude, Google Gemini / JWT, OAuth 2.0, REST APIs, SaaS Architecture

HOBBIES AND INTERESTS

Machine Learning & Data Science / Software Development / Music Performance and Production / Mathematics / Entrepreneurship

DOCUMENTS

Drive Link

[Link for the documents](#)