

Cihat Emre Çınar



cihatemre381@gmail.com



+90 530 445 19 36



[emre381](#)



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Address : Asker Sok. No. 2 Kuzguncuk-Üsküdar/İstanbul

Personal Information

Gender :Male

Date of Birth :30/01/2001

Marital Status :Single

Nationality :Turkish

Driving License :B

Language:English

Level :C1

RWS skills :Advanced

Emre is a dedicated software engineer with a strong focus on .NET development across desktop, mobile, and web applications. With comprehensive knowledge of Agile software development methodologies, he excels in crafting efficient and scalable solutions. Throughout his career, Emre has improved his skills in team collaboration and clean code practices, ensuring high-quality and maintainable software delivery. Beyond his technical expertise, he is deeply passionate about artificial intelligence, actively following and researching the latest advancements in the field.

University Üsküdar University – Üsküdar/İstanbul

Software Engineering – 09/2020 – 07/2024 GPA: 3,13

High School MBDAL – Derince/Kocaeli

Matematik/Fen – 09/2016 – 06/2019 GPA: 90

Internship Experience

Web Development Intern

Katılım Emeklilik | September 2022 – October 2022

Collaborated on developing a comprehensive website with front-end, back-end, and database components. Utilized **HTML5**, **CSS**, and **JavaScript ES13** for front-end development, and implemented back-end functionality using **C# 11.0** with **ASP.NET Core MVC**. Designed and managed the database using **MSSQL**, ensuring data integrity and optimized performance. Gained practical experience in full-stack development by integrating user interfaces, business logic, and data storage seamlessly.

Mobile App Development Intern

Katılım Emeklilik | July 2023 – August 2023

Developed a mobile application using **Flutter 3** and **Dart 2.17** to calculate maximum state contributions for individual pension accounts. Implemented features to accurately compute the state's 30% contribution based on user inputs to the Individual Pension System (IPS). Enhanced expertise in mobile app development and UI/UX design, delivering a functional and user-friendly financial tool.

Projects

Bookstore E-Commerce Web Application

Technologies & Tools Used:

Backend: ASP.NET Core MVC (Version 7/8) C#

Frontend: HTML, CSS, Bootstrap, JavaScript, jQuery, Toastr.js

Database: Microsoft SQL Server, Entity Framework Core

Architecture: N-Tier Architecture (Layered Architecture), Repository Pattern, Unit of Work Pattern

Authentication & Authorization: ASP.NET Core Identity

Payment Integration: Stripe API

Hosting & Deployment: Azure, IIS

Version Control: Git, GitHub

Project Overview:

This project is a fully functional online bookstore built using ASP.NET Core MVC following N-Tier Architecture. The application allows users to browse, purchase, and manage books through a well-structured and scalable e-commerce platform.

Key Features:

User Authentication & Authorization: Implemented using ASP.NET Core Identity with role-based access control (Admin, User).

Book Management System: Admin panel for CRUD operations on books, categories, authors, and publishers.

Shopping Cart & Checkout: Users can add books to their cart and proceed with checkout.

Payment Gateway Integration: Secure online payments via Stripe API.

Order Management: Users can track orders, and admins can manage order processing.

Advanced Search & Filtering: Users can search books by title, author, category, and price range.

Data Seeding & Migration: Database management using EF Core Migrations & DbInitializer.

Admin Dashboard: Role-based panel for managing orders, inventory, and reports.

Social Login: Users can log in via Facebook OAuth authentication.

Deployment: Hosted on Microsoft Azure with IIS server configuration for production.

Architecture Overview:

The project follows a Layered (N-Tier) Architecture, separating concerns into:

Presentation Layer (UI) – ASP.NET Core MVC Views with Bootstrap & JavaScript

Business Logic Layer – Service layer handling core functionalities

Data Access Layer – Repository & Unit of Work patterns with Entity Framework Core

Database Layer – SQL Server with migrations and data seeding

Outcome & Impact:

Built a scalable and secure online bookstore with ASP.NET Core MVC.

Improved maintainability using Repository & Unit of Work Patterns.

Ensured high performance and security with best practices in authentication and data management.

Developed console applications for **Student Grade Analysis** and **Return and Rating Analysis**, designing effective algorithms to handle data processing tasks. Subsequently converted these applications into mobile apps using **.NET MAUI**, **C# version 23**, and **XAML**, delivering enhanced functionality and a streamlined user experience.

Entity Framework Code-First with Windows Forms Application (WFAPP) – MovieApp

Technologies Used: C#, Entity Framework (Code-First), Windows Forms, SQL Server

Developed "MovieApp," a Windows Forms application for managing Movies and Categories with CRUD operations. Designed the relational database schema using **Entity Framework Code-First** and managed migrations for seamless updates. Built a user-friendly interface to enable efficient data interaction and streamlined workflows, leveraging **C# version 23** for backend logic and UI integration.

C# Stock Control Application: Entity Framework and LINQ

Technologies Used: C#, Entity Framework, LINQ, SQL Server

Developed a stock control application to manage inventory and sales data, utilizing **Entity Framework**, **LINQ**, and **SQL Server** for efficient data operations. Implemented features such as filtering unique customer records, retrieving low-stock products, sorting data, and calculating category-specific revenues. Leveraged **C# version 23** to optimize performance and enhance functionality for handling large datasets.

Heart Disease Prediction Model

Technologies Used: Python, TensorFlow, Keras, Scikit-learn, Imbalanced-learn, Pandas, NumPy

Developed a machine learning application to predict heart disease risk using a dataset of health-related features such as age, gender, chest pain type, blood pressure, and cholesterol levels. Built predictive models with **Artificial Neural Networks (ANNs)**, **Random Forest**, **Decision Trees**, and **Logistic Regression**, addressing class imbalance using **SMOTE** for improved accuracy. Utilized **NumPy**, **Pandas**, and **Scikit-learn** for data preprocessing and analysis, alongside **TensorFlow** and **Keras** for deep learning. Delivered a Python-based solution with user input validation, offering an extendable framework for future enhancements like graphical interfaces and diverse dataset testing.

Version Of Python 3.13 Pandas V 2.2 NumPy V 2.1.0 TensorFlow 2.18 Scikit-learn 1.6.0

Additional Education & Certificates

Udemy – **SQL Database Programming, 2024**

Pupilica – **Clean Architecture with .NET, 2024**

Udemy – **Algorithm and C# Software Development Course, 2024**

Udemy – **Introduction to Python and Artificial Intelligence: 101, 2024**

CoderSpace – **Data Science and Artificial Intelligence Summer School, 2024**

Başakşehir Living Lab – **C# Console and Windows Form Training, 2022**

THK University – **Python Bootcamp, 2022**

Başakşehir Living Lab – **MSSQL Database Training, 2022**

Technical Skills

Programming Languages: Python, C#, Java, JavaScript, SQL, Dart

Web Development: HTML5, CSS3, JavaScript, ASP.NET Core, React, Angular

Database Management: MSSQL, MySQL, PostgreSQL, MongoDB, Firebase

Software Development Tools: Visual Studio, Eclipse, NetBeans, Android Studio, Visual Studio Code, Git

Data Analysis and Machine Learning: Pandas, NumPy, Scikit-learn, TensorFlow, Keras, Matplotlib, PowerBI

Soft Skills

Adaptability in Fast-Paced Environments, Technical Mentorship, Mentoring and Coaching, Analytical Problem-Solving, Troubleshooting, Empathy , Effective Cross-Functional Communication, Collaboration in Agile Team, Critical Thinking in System Design

Social Activities

Reading, Taking Photograph, Fitness, Dancing

References

Hakan Hakyemez -Garanti Technology Inc. Team Leader ,Istanbul hakan.hakyemez@garanti.com.tr
Phone: +90 542 760 37 51

Murat Duman – Katılım Emeklilik ve Hayat A.Ş Senior Software Developer ,Istanbul
murat.duman@katilimemeklilik.com.tr Phone: +90 552 690 30 58