PETAR IVANOV

Software Engineering Student

CONTACT

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SKILLS

- C#, SQL, HTML, CSS, JavaScript
- ASP.NET, Entity Framework, RESTful API
- MySql, SQL Server
- Azure, Git, UML
- Bulgarian (Native), English (C1)

EDUCATION

- **University of Plovdiv**
  2022 - 2026
  B.A. in Software Engineering

- **Math Highschool of Plovdiv**
  2017 - 2022
  Mathematics, Informatics, English

- **National Program "IT Career Education"**
  2019 - 2022
  Applied Computer Programming

AWARDS & CERTIFICATIONS

- Software University - C#
- IT Career Education - 6.00
- CS50x, CS50 AI, CS50 Python
- Coursera - Andrew Ng's Supervised Machine Learning

PROFILE

Motivated Software Engineering student with hands-on experience in building web applications using modern technologies such as ASP.NET Core, JavaScript, and SQL. Eager to apply problem-solving skills and a strong foundation in software development to contribute to a dynamic engineering team.

PROJECTS

Online Forum
Web App

- Developed a simple forum, allowing users to create accounts, post discussions, and comment, with basic authentication and **CRUD** functionality.
- **ASP.NET Core**, C#, Entity Framework, SQL Server, HTML.
- Layered architecture: Repositories (data), **Services** (logic), **WebAPI** (endpoints), WebApp (UI).
- **https://github.com/Petar-Ivanov/Forum**

Password Manager
Desktop App

- Developed a desktop password manager application enabling users to register, securely add, manage, and locally store encrypted passwords.
- C#, SQL Server, Entity Framework Core, **AES Encryption**
- Three-Tier Architecture
- **https://github.com/Petar-Ivanov/Cipher**

Roguelike Dungeon Crawler
Unity - 2D video game

- Developed a 2D top-down roguelike game with **procedural dungeon generation** and **custom AI pathfinding** using the **A* algorithm**
- Unity 2D, C#, ported for Windows, Linux and WebGL
- **https://github.com/Petar-Ivanov/DungeonBreak**
- **https://jkxzvb.itch.io/dungeon-break**

OTHER PROJECTS

Math Highschool of Plovdiv - Website
Custom Wordpress Website

- Designed and developed a modern, user-friendly website for the Mathematics High School of Plovdiv using **WordPress as a CMS**. Implemented a dynamic and **easily editable structure**, allowing administrators and staff to update content effortlessly. Focused on **responsive design**, ensuring accessibility across devices.
- HTML, CSS, JavaScript, WordPress, PHP
- **https://github.com/Petar-Ivanov/SchoolWebsite**

Traffic Signs Classification
Computer Vision Model

- Developed a traffic sign recognition system aimed at accurately identifying and **classifying** various traffic signs in real-time. The project involved **data collection**, preprocessing, **model training**, and evaluation to ensure **high accuracy** and reliability in diverse conditions.
- Python, TensorFlow, Keras, OpenCV, Pandas
- Deep Convolutional Neural Network (CNN)
- **https://github.com/Petar-Ivanov/TrafficSigns**

Graphics Editor
Desktop App

- Developed a simple graphics editor desktop application that allows users to **create and edit images** using graphical primitives. The application supports essential functionalities such as adding shapes, rotation, property manipulation, duplication, and undo. A **robust GUI** is provided for user-friendly image editing experience.
- C#, WinForms
- Model-Processors Architecture
- **https://github.com/Petar-Ivanov/Draw**