DEEPU DINESH

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PROFESSIONAL SUMMARY

Enthusiastic undergraduate student studying BSc (Hons) in Software Development at Technological University of Shannon (Moylish Campus) in Ireland with a strong foundation in programming and software development using languages like C#, C++, Python, with a strong focus on web and application development. Skilled in creating responsive, user-centric web applications using HTML, CSS, Bootstrap, React, PHP and JS. Experienced with 3D graphic design and game engines, including Unity3D and Unreal Engine to complement core skills. Eager to apply problem-solving and technical skills in real-world projects and contribute to innovative software solutions.

SKILLS

HTML, CSS, Bootstrap, React, JavaScript, PHP, C++, C#, Python, Unity, Unreal, Blender3D, Substance Painter, Photoshop

HOBBIES

- Strength training & Martial Arts (Judo, Boxing, Calisthenics)
- Sports (Cycling, Badminton)

WORK EXPERIENCE

Freelance Developer, Fiverr   **2022 – 2023**
Profile Link: www.fiverr.com/tyrobyte
Gig Reviews Link (1): www.fiverr.com/tyrobyte/create-c-sharp-scripts-and-simple-features-for-your-unity-projects
Gig Reviews Link (2): www.fiverr.com/tyrobyte/bug-fixing-in-unity

- Designed and developed custom graphical or gameplay focused projects according to client specifications using Unity3D, Blender, Photoshop and a wide variety of tools to adhere to graphical, audio and visual requirements from clients.
- Delivered 85% of client orders on schedule and secured a 100% satisfaction rate, demonstrating efficiency and reliability in project execution.
- Engaged with a diverse international clientele, interpreting requirements through the language barrier while delivering consistent high-quality results, maintaining an excellent satisfaction rating.
- Engineered and published custom libraries and tools to accelerate and automate development process, making it accessible on GitHub as open-source resources for the developer community.
- Authored comprehensive visual documentation and practiced effective coding standards, enhancing code readability and expandability.

EDUCATION

BSc (Hons) in Software Development   **2023 – Present**
Technological University of Shannon

Secondary School - Leaving Cert   **2020 – 2023**
New Millenium School, Bahrain - (Central Board of Secondary Education)

CERTIFICATES

- Python Specialization Course – University of Michigan (Coursera) **Nov 25, 2020**

PROJECTS
Personal Portfolio Website
2025 | HTML, CSS, Bootstrap
GitHub Repo: https://github.com/DeepuDinesh05/DeepuDinesh05.github.io

- Designed and developed a personal portfolio website to showcase my web development skills and personal projects. The website is fully responsive and includes multiple pages on my educational background, resume and work experience.
- The project was made in HTML and Bootstrap is used for styling alongside CSS.

Dynamic Audio Based Enemy AI
2023 | C#, Unity, Blender
GitHub Repo: https://github.com/DeepuDinesh05/Freelance-Portfolio-Projects/tree/main/Audio%20Based%20Enemy%20AI

- Developed and deployed an audio driven AI system for a client, in Unity, enabling entities to dynamically "hear" movement generated audio through a spherecast-based detection system.
- Engineered an adaptive AI behavioral system that ensures different reactions for the enemies based on audio proximity, noise levels and distance to other entities.
- Optimized performance for multiple entities running this behavior by reducing unnecessary physics calculations and raycast checks.
- Received a 5-star rating from the client for efficiency and seamless integration as requested.

Password Management System (Terminal-Based)
Grade XII Final Project - 2023 | Python, MySQL
Github Repo: https://github.com/DeepuDinesh05/Password-Management-System

- Developed a password management system using python and MySQL enabling secure storage and retrieval of login credentials.
- Designed a structured database schema to store usernames and passwords, ensuring efficient data handling and retrieval.
- Implemented user input validation to prevent incorrect data entry and ensure data integrity.
- Documented project structure, database schema and system functionality, making it easily understandable for future improvements.
- Developed a YouTube link-to-MP4/MP3 converter for an end-of-year school project, showcasing proficiency in Python programming, file handling, and user-friendly design principles.