Dev Patel

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Linkedin - Github

EDUCATION

Silver Oak University   2024 - 2027
Degree : Bachelor's in Computer Application   *Ahmedabad , Gujarat*

PROFESSIONAL SUMMARY

Motivated and detail-oriented Computer Applications undergraduate with strong skills in C++, game development, and graphics programming. Passionate about building high-performance systems and interactive experiences. Proven ability to learn quickly, adapt to new technologies, and contribute effectively in collaborative environments. Seeking opportunities to apply technical expertise in real-world projects and grow as a developer.

SKILLS

Programming : C/C++, C# , Javascript , Python , Shell Scripting , SQL
Cloud Platforms & Environment : AWS , Linux, Google Cloud Platform
Game Engines & Tools: Unreal Engine, Docker , Git

PROJECTS

Perspective Projection | Github
- Developed an efficient pipeline to convert 3D coordinates into 2D screen space, applying principles of linear algebra and geometry.
- Implemented support for camera movements, including translation and rotation, enabling dynamic scene visualization.
- Enhanced performance and modularity using modern C++ practices and optimized matrix operations for real-time processing.

Pyport-Scanner | Github
- Developed a Python-based Port Scanner to identify open network ports, enhancing network security assessment capabilities.
- Implemented functionality to perform TCP and UDP scanning, ensuring comprehensive port discovery and analysis.
- Optimized the scanning process with multi-threading, significantly improving performance for large-scale network scans.

CERTIFICATIONS

HP Gaming Garage : A Complete Guide to Game Design
Google Cloud Skills Boost : Create and Manage Cloud Resources
Google Cloud Skills Boost : Google Cloud Essentials