

Herschel Pawar

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*Passionate about learning and creating; Looking forward to whatever the future brings.
I occasionally write! Check out my blog and more details at <https://sakurakat.systems/>*

Education

 Global Summer School	1st July 2024 - 26th July 2024
 Bachelors of Engineering in Information Technology	CU Coventry, 8 Mile Lane, Coventry CV1 2TU, United Kingdom 2020 - 2024
 Higher Secondary School Certificate	MGM College of Engineering and Technology, Kamothe, Navi Mumbai, India 2018 - 2020
 Secondary School Certificate	Greenfingers Global School, Kharghar, Navi Mumbai, India 2008 - 2018
 Secondary School Certificate	Sanjivani International School, Kharghar, Navi Mumbai, India

Projects & Associations

Fractured Elements

Coventry University Summer School '24 Game Jam

July 2024

 pawarherschel/CovUniGJ2024

- “Fractured Elements” is a 2D platformer developed for Coventry University’s Summer School Game Jam.
- The main character changes form every few seconds and each form has a unique associated attack.
- Available to play on itch.io (<https://pawarherschel.itch.io/fractured-elements>)
- My contribution: Worked on game mechanics, character transitions, and attack implementations using Unity and CSharp

Game Development Unity C#

Cosmos Conquerors (GMTK2023)

GMTK2023 Game Jam

2023

 pawarherschel/GMTK2023

- A game made for the GMTK Game Jam 2023, the theme was ‘Roles Reverse’.
- This is a simple game where the roles from the game Space Invaders are reversed.
- Available to play on itch.io (<https://pawarherschel.itch.io/cosmos-conquerors>)
- My contribution: The whole game.

Game Development Godot GDScript

Bevy Pong

Personal Project

October 2024

 pawarherschel/bevy-pong

- A simple Pong game made with Bevy. It’s being used as playground for networking.
- My contribution: The whole game.

Rust Bevy Game Development

Krita Palette Creator

Personal Project

September 2024

 pawarherschel/krita-palette-creator

- A tool to create Krita and GIMP compatible palettes from images by applying color quantization algorithms.
- It generates a .gpl palette file and creates a preview image for visual reference. Supports adjustable depth levels for quantization and optional color tolerance settings. View an example here: <https://r2.sakurakat.systems/preview--krita-palette-creator.png>
- My contribution: Contributed to rosetta code https://rosettacode.org/wiki/Color_quantization#Rust, and implemented color deduplication by using similarity score.

Rust Image Processing Color Quantization Krita GIMP CLI Tool

Certificates

1st - 26th July 2024	Certificate of Participation in Coventry University Summer Schools Games Design Programme , Shawwna Pomeroy (Programme Manager - Summer Schools)	Coventry University, United Kingdom
1st - 26th July 2024	Certificate of Participation in Coventry University's School of Computing, Mathematics and Data Science Summer School in Game Development , Adam Worrallo (Head of Summer School), Faye Mitchell (Head of School), Becky Butler (Dean of College)	Coventry University, United Kingdom

Skills

Natural Languages	English Hindi Marathi
Software Tools	Git Photoshop Krita Godot Microsoft Word VRoid Studio
Knowledge Areas	Docker Cloudflare Ansible Linux NixOS Power Automate Web Scraping
Personal Interests	Manga & Scanlation VRChat Game Development GPU Acceleration NixOS
Libraries	cranelift rayon bevy tokio sqlx surrealdb