Herschel **Pawar**

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Enthusiastic learner, curious about everything.
Looking forward to work on projects that make a difference

Education

Bachelors of Engineering in Information Technology   *2020 - 2024*
University of Mumbai   *MGM College of Engineering and Technology, Kamothe, Navi Mumbai, India*

Higher Secondary School Certificate   *2018 - 2020*
Central Board of Secondary Education   *Greenfingers Global School, Kharghar, Navi Mumbai, India*

Secondary School Certificate   *2008 - 2018*
Indian Certificate of Secondary Education   *Sanjivani International School, Kharghar, Navi Mumbai, India*

Projects & Associations

VRCX Insights   *2023 - Present*
Personal Project   *pawarherschel/vrcx-insights*
- A simple program to find out the various friend circles which might exist via the data collected by VRCX
- Written in Rust, it uses the SQLite database created by VRCX to find out the friend circles

Booth Archiver   *2023 - Present*
Personal Project   *pawarherschel/booth_archiver*
- A simple CLI tool to archive the contents of your booth wishlist
- Written in Rust, it scrapes the Booth website and downloads images for each item
- It then converts the data into an Excel spreadsheet and writes markdown files for each item

Tachiyomi Backup to AniList   *2024 - Present*
Personal Project   *pawarherschel/tachiyomi-backup-to-anilist*
- A simple CLI tool to sync manga from Tachiyomi backup to AniList
- Tachiyomi's backup is a gzipped protobuf file, this tool reads the file and syncs the manga to AniList

Stock Crasher   *2023*
Personal Project   *SakuraKat/stock-crasher*
- A silly cli tool to show the current price of a stock in VRChat using OSC
- It gets the stock price from Yahoo Finance and sends it to VRChat via the OSC protocol

Cosmos Conquerors (GMTK2023)   *2023*
GMTK2023 Game Jam   *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 on itch.io (https://pawarherschel.itch.io/cosmos-conquerors)

Various Simple Games made in Godot   *2021*
Personal Projects   *SakuraKat*
- Various simple games made in Godot as Proof of Concepts
- Jump Cat, Meme Invaders, Maze Generation, Pop The Lock, Magical Marshmellow, Game Of Life, Minesweeper, Pong, Snake

Publications

Social Circle Mining in VRChat Through Activity Frequencies Using Fuzzy DBSCAN   *2023 - Present*
(ongoing)   *pawarherschel/vrcx-insights*
- Ongoing research project to find out the various friend circles which might exist via the data collected by VRCX
- Uses Fuzzy DBSCAN to cluster users based on their activity frequencies

Skills

Languages	English | Hindi | Marathi
Projects	Rust | GDScript
Libraries	prost | Clap | Rayon | ureq | SQLx
Personal Interests	Manga & Scanlation | VRChat | Game Development
Software Tools	Git | Photoshop | Godot | Microsoft Word
Knowledge Areas	Docker | Cloudflare | Ansible | Linux | Power Automate