

CHILAKALAPUDI SAI VENKATA GANESH

Game Developer

Portfolio : <https://svganeshch.github.io>



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SUMMARY

Passionate programmer with a strong foundation in game development and software engineering. Skilled in leading teams, and managing end-to-end software development processes. Proficient in multiple programming languages and experienced in backend and front-end development, CI pipelines, and game mechanics.

PROJECTS

Kaine - Souls like combat game

- Developed weapon-based combat mechanics (attack, block, dodge) with a third-person camera and character controller.
- Implemented animator override controllers for runtime weapon animation swapping.
- Designed a finite state machine using the state design pattern to manage character states and transitions.
- Developed enemy AI from a base character class, ensuring object oriented programming.
- Led the development team, collaborating with designers to align gameplay mechanics with project goals.

The Sun - 2D

- Designed fast-paced gameplay with escalating difficulty.
- Implemented a unique throw-and-recall weapon mechanic and enemy AI with progressive difficulty scaling.
- Created a simple user-friendly UI and HUD to enhance player experience.

ArrowOS - Founder | Aftermarket AndroidOS | <https://github.com/ArrowOS>

- Founded and developed a high-performance, bug-free Android OS used across multiple devices.
- Managed full-stack development, CI pipeline setup, and backend infrastructure.
- Led code reviews and assisted developers in coding, debugging, and troubleshooting, fostering a collaborative development environment.

EDUCATION

ICAT Design and Media College

2021 - 2025

BSc Hons

- Computer Science and Game Development.
- Affiliated to JNAFAU.

ADDITIONAL INFORMATION

Technical Skills:

- **Game Development:** Unity (*Proficient*), Unreal Engine (*Novice*)
- **Programming:** C#, C++, Java, Python, Bash scripting
- **Web Development:** PHP, HTML, JavaScript, CSS, Bootstrap, MySQL, MongoDB
- **Web Technologies:** Apache, Nginx
- **CI/CD Tools:** Git, Jenkins, Gerrit
- **Soft Skills:** Leadership, Project Management, Quick Learner

Languages: English, Hindi, Telugu