

Swastik Garg

- Who knew that countless hours spent gaming could be mentioned as research

Portfolio - <https://0shine0.github.io/>

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Github - <https://github.com/0shine0>

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EXPERIENCE

MovingBlocks, Terasology — *opensource*

May 2017 - August 2017

- Introduced many combat features for MovingBlocks(opensource minecraft clone) keeping multiplayer in mind.
- Made minor changes in physics engine of the game to better incorporate combat capabilities.

EDUCATION

Thapar University, Patiala — *B.Tech in Computer Science*

July 2015 - PRESENT

Currently in third year, pursuing Bachelors in Computer Science.

Current CGPA - 7.06/10

St. Thomas School, Bahadurgarh — *Primary and Secondary Education*

2000 - 2015

Intermeditae 12th	CBSE	91.0%
Matriculation 10th	CBSE	85.5%

PROJECTS

CombatSystem — *ECS, Java, Networking, Game Physics*

A module that introduces combat functionalities and is based upon gestalt ECS framework. It was originally built for open source minecraft clone Terasology, but due to high modularity of the entire project, it can be used by other games incorporating gestalt ECS or similar framework with minimal changes.

Group Solitaire — *socket.io, nodeJS, Java, LibGDX, Networking*

Traditional cross-platform solitaire game with a multiplayer twist where 2-4 players join in a room to compete against each other.

Sea Adventure — *Java, LibGDX, ECS.*

A jetpack joyride clone that was built keeping cross-platform in mind and built upon ECS(Entity Component System) framework.

SKILLS

Languages - java(proficient),
c(basic), c++(basic)
API/Libraries - Bullet, OpenGL,
LibGDX

Concepts - ECS, Game Physics,
Pathfinding, Procedural
Content Generation, AI

Software/Tools - Unity, Tiled,
Git, Eclipse, Visual Studio

ACHIEVEMENTS

Google Summer of Code 2017

One of the students in 1318
students accepted out of 20,651
registrations all over the world.

JEE MAINS 2015

In top 2.3% for nationwide
technical exam out of 1.3
million applications

JEE ADVANCED 2015

Top 117,238 were selected from
JEE MAINS result for JEE
ADVANCED.
Scored 12,000 rank out of these
117k students (in top 10%).

LANGUAGES - English, Hindi