



# Zilfaan Sulfikhan

Aspiring Game Developer

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**Portfolio:** <https://www.zilfaan.space>

## 🛠️ Technical Skills

**Core Languages:** C++, C#, TypeScript, Python, Java, HTML5, CSS, Dart, Kotlin

**Game Development:** Unreal Engine, Unity, OpenGL. Expertise in game physics, 3D modeling through Blender, and C++ development for high-performance systems.

**Frontend & Web:** React, Next.js, Vite, Tailwind CSS.

**Mobile & Desktop:** React Native (Expo), Electron, Flutter & Native Android development with Java.

**Backend frameworks:** NodeJS, ExpressJS, Socket.io, Firebase, and high familiarity with REST APIs.

**Database:** MySQL, MongoDB, Firestore

**DevOps & Tools:** Git & Github, Github actions, Docker, GCP Hosting

**Machine Learning:** TensorFlow, PyTorch, Keras, Scikit-learn

## 👥 Volunteering

### Mozilla Campus Club & FOSS Community of IIT

- Finance & Industry Outreach
- Organizing events towards the goal of Free and open source software (FOSS)

## 👤 Profile

Computer Science undergraduate (Year 2) specializing in high-performance, cross-platform systems and Games. Proven ability to independently design, build, and deploy complex software solutions across diverse platforms. Seeking a Game Development internship to master development and professional game studio development practices.

## 🎓 Education

### BSc (Hons) Computer Science

2024- Present

*Informatics Institute of Technology, affiliated with the University of Westminster*

- Second year (L5)
- Relevant modules: Web design and development, Software development 1 & 2, Game Engine Architecture, Object Oriented Programming (Java)

### Foundation Certificate of Higher education

*Informatics Institute of Technology*

2023 - 2024

- Distinction with 70+ for all 8 modules
- Relevant modules: Designing Innovative solutions, Computer Programming, Database design

### Pearson Edexcel IGCSE

*S. Thomas' Preparatory School, Kollupitiya*

2023 - 2024

- 6 Subjects completed including A's in Maths, English, Computer Science & ICT

## 🎓 Certifications

### MACHINE LEARNING - DISTINCTION

- Offered by the Institute of Information Technology, PDU

### CRITICAL THINKING & PROBLEM SOLVING

- Offered by LinkedIn Learning

### PROGRAMMING CONCEPTS FOR PYTHON

- Offered by LinkedIn Learning

### REACT ESSENTIAL TRAINING

- Offered by LinkedIn Learning

## Soft Skills

- Strong problem solving & Analytical thinking.
- Creativity & Attention to detail.
- Communication & Teamwork/Collaboration.
- Time management & Multitasking.
- Self evaluation & improvement.
- Strong alignment with rules, guidelines, and best practices.
- Commitment to Quality.

## Clubs and Societies

- Mozilla Campus Club & FOSS
- Community of IIT
- Women in FOSS
- Photography club
- General knowledge club

## References

### **Mrs. Uvini Abeysinghe**

Assistant lecturer  
Informatics Institute of Technology

**Phone:** 0703496022

**Email:** uvini.a@iit.ac.lk

### **Mr. Dilip Hensman**

Coordinator - Health Information and Digital Health, Division of Data, Strategy World Health Organization

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## Projects

### **LIGHTS WAGER**

- Top-Down Action Game developed for the Brackeys Game Jam 2025.2
- Developed a complete action game prototype from concept to execution within a one-week timeframe.
- Utilized Unreal Engine for core mechanics, performance optimization, and game asset integration.
- Demonstrates: Rapid prototyping, efficient code design, and adherence to tight project deadlines.

### **SPIDER CLIENT**

- Built a specialized Minecraft client, requiring deep technical understanding of a proprietary system (MCP - Minecraft Coder Pack).
- Keeps the changes fully on the client side, allowing seamless interaction with servers and normal players.
- Built with Java & OpenGL.
- Roughly 1000 active installations at the time of release

### **ADUPTIGUIDANCE**

- High fidelity, user-friendly Figma prototype to assist the learning needs of students with learning disabilities.
- Designed for Students, Parents and professionals.
- Presented in Cutting Edge 2024.

### **LENA**

- Developed a lightweight, highly customizable desktop application for task & routines management.
- Utilized Electron to deliver a cross-platform desktop experience, along with React, Vite, TypeScript and TailwindCSS.
- Firebase for authentication and cloud storage.