

# Utkarsh Tripathi

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## Education

**Galgotias University**

Expected May 2027

*Bachelor of Technology in Computer Science*

*Noida, UP*

- **Relevant Coursework:** Data Structures and Algorithms (Java), Prob & Stat in CS, Computer Graphics, Operating System, Data Communication & Network

## Projects

**STORY GENERATOR** | Python, OOPs, Tkinter

- Developed a GUI-based story generator using Python's Tkinter library and Object-Oriented Programming concepts.
- Enabled users to generate random creative stories based on user-selected characters, settings, and plot elements.
- Applied classes and modular design to ensure clean, reusable, and maintainable code structure.
- Improved GUI design skills and gained hands-on experience in event-driven programming and user interaction.

**HOTEL MANAGEMENT** | Python, OOPs, GUI

- Designed and developed a hostel management system using Object-Oriented Programming in Python.
- Implemented core features like student registration, room allocation, and record maintenance.
- Applied OOP principles (classes, inheritance, encapsulation) to structure and manage code efficiently.
- Enhanced operational efficiency by automating manual hostel administration tasks.

**EVENT MANAGEMENT** | Java, Spring Boot, MySQL, Spring Security, HTML, CSS

- Developed a web-based system for creating, managing, and registering for events.
- Implemented role-based access control for organizers and attendees using Spring Security.
- Used MySQL for relational data storage, supporting CRUD operations on events and users.
- Followed layered architecture for clean separation of concerns and maintainability.

## Technical Skills

**Languages:** Python, Java, HTML, CSS, JavaScript

**Technologies:** Spring Boot, Bootstrap,

**Concepts:** Data Structure, Algorithm, Virtual Memory, Cache Memory, Database Normalization, Object-Oriented Programming, Discrete mathematics

## Achievements

- **Gaming Workshop – Rwizen Technologies :** Participated in a hands-on workshop focused on game development concepts, tools, and industry insights.
- **Certifications Online Courses :** 100 Days of Code: Python – GUVI, Zero to Hero: Python Programming – GUVI, Java Programming Course – GUVI
- **Hackathon Participant – SIH :** Gained hands-on experience in teamwork, rapid development, and real-time project execution

## Social Engagements

**Unifest Organiser(April 2024):** Actively organized the university's annual cultural festival, overseeing event coordination, logistics, and volunteer management.

**Volunteer:** at KALAMAHOTSAV - Demonstrated artistic talent and creativity through active participation in events and showcases.

**SIH volunteer:** Assisted in organizing and managing on-site activities during the Smart India Hackathon 2023.

**IEEE Summit Volunteer:** Supported the organization and execution of the IEEE Summit 2024, assisting with registration, guest coordination, and event logistics.