Atharv Sheersh Chaturvedi

Bilaspur, Chhattisgarh, India | 9039860092 | **atharvsc26@gmail.com** | **GitHub** | **LinkedIn**

Skills:

Python(Pygame, Ursina, Turtle, Tkinter) - Intermediate, C++(DSA on Leetcode) - Intermediate

Education:

B.Tech - **Kalinga Institute of Industrial Technology**, Bhubaneswar, Odisha
July 2023 - Present
A passionate IoT developer with deep interests in App Development and Game Development, consistently exploring innovative ways to combine creativity with technology. Experienced in building interactive, user-centric applications and immersive gameplay experiences.

Beyond tech, I write under the pen name *Abhay Pathak*, crafting stories that delve into imagination, emotion, and layered complexity. I'm also a movie enthusiast and a follower of Cricket and Formula 1.

Projects:

1. VIRAT 1.5.0 | GitHub | LinkedIn
   Portable 3D-printed IoT study automation system using **ESP32, PIR sensor, OLED, LEDs & Blynk**. Implemented motion-based greetings, smart timers, real-time schedule display, and mobile app connectivity to enhance productivity.

2. TRON Light Cycle Game | GitHub | LinkedIn
   Real-time multiplayer arcade game in **Python (Pygame, Socket Programming)** with two-player LAN, collision detection, dynamic grid rendering, glowing trails, and victory detection for an immersive TRON-inspired experience.

3. F1 Game | GitHub | LinkedIn
   Formula 1 racing game in **Python (Ursina Engine)** featuring custom tracks, lap-based progression, real-time lap timers, off-track detection, gear control via mouse, 3D rendering, and physics-based gameplay.

Work Experience:

Embedded Engineer - **KIIT Robotics Society**, Bhubaneswar, Odisha (Nov 2024 - Present)
   Part of a robotics society that educates students in **IoT and Embedded Systems** through hands-on projects and forum presentations. Participated in **KSHITIJ 2025** and **KREATIVITY 2.0**, guiding peers to explore and apply concepts in real-world problem solving.

Participations:

1. **KSHITIJ 2025 –** Sand Rover | Certificate
2. **KREATIVITY 2.0 Annual Project Expo 2025** – Prototype | Certificate

Languages:

Hindi – Native Speaker; English - Fluent