

## Atharv Sheersh Chaturvedi

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### Skills:

Python - Intermediate, C++ - Intermediate, SOLIDWORKS – Intermediate, Information Technology, Soft Skills

### 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.

### 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.

**IoT Engineer – IoT Lab**, Bhubaneswar, Odisha (Sept 2025 – Present)

Part of the IoT Lab and working on object detection, projects.

### 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.

### Certifications & Participations:

1. TCS iON Career Edge - Young Professional | [Certificate](#)
2. TCS iON Career Edge – IT Primer | [Certificate](#)
3. Learn SOLIDWORKS from basic to advance | [Certificate](#)
4. Smart India Hackathon – Participant | [Certificate](#)
5. KREATIVITY 2.0 Annual Project Expo 2025 – Prototype | [Certificate](#)

### Languages:

Hindi – Native Speaker; English - Fluent