

# AKSHAT CHAUHAN

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## Education

**Kalinga Institute of Industrial Technology**  
*Bachelor of Technology in Computer Science & Engineering*  
CGPA: 8.13 / 10.0

August 2023 – May 2027  
Bhubaneshwar, Odisha

**Relevant Coursework:** Product Design, Systems Design, Human–Computer Interaction (HCI), Data Structures & Algorithms, Database Management, Computer Networks.

## Work Experience

**AISOC** Sept 2024 – Present  
Bhubaneshwar, Odisha  
*Lead Web Developer (PM-Facing Role)*

- Led end-to-end development of the university's AI Hackathon platform, defining product requirements, prioritizing features, and coordinating execution between design, backend, and deployment teams; supported **250+ registrations** and streamlined submissions by **40%** through improved workflow design.
- Co-organized a university-wide AI Hackathon for 250+ participants, aligning with academic stakeholders, designing event experience, facilitating mentor sessions, and evaluating 20+ student projects for **innovation, usability, and feasibility**.
- Formalized contribution guidelines, review processes, and QA workflows—reducing deployment regressions and improving contributor onboarding across the club's open-source ecosystem.

**IoT Lab, KIIT University** January 2025 – Present  
Bhubaneshwar, Odisha  
*AI/ML Developer (Technical PM Responsibilities)*

- Led product validation and iteration for a production-ready 2D→3D reconstruction system; collaborated with researchers to translate technical constraints into product requirements improving depth accuracy by **40%**.
- Coordinated with 4+ engineers to plan sprints, review deliverables, and ensure stable releases; drove quality improvements by enforcing documentation standards and expanding testing coverage.
- Acted as a bridge between researchers and developers—breaking down complex ML workflows into actionable tasks, identifying bottlenecks, and ensuring alignment across contributors.
- Took ownership of rapid prototyping of new ML features, evaluating trade-offs around accuracy, compute cost, and integration complexity.

## Selected Projects

**EchoTrap – Intelligent Threat Analysis Platform** | *Product + Technical Leadership* 2025

- Defined the product vision for an adaptive threat-analysis tool; scoped MVP features, aligned contributors, and set success criteria for anomaly detection and system observability.
- Introduced structured telemetry dashboards and log analytics for decision-making, reducing repeated intrusion activity by **95%**.
- Designed reliability checks, automated workflows, and testing processes to ensure stability across releases.

**MutexTalk – Distributed Real-Time Communication Platform** | *Product Strategy + Execution* 2025

- Defined user needs and platform requirements for a scalable communication system; delivered a design supporting **2,000+ concurrent users** while maintaining predictable performance.
- Partnered with engineering collaborators to prioritize performance-critical feature improvements, reducing latency by **40%** and improving throughput by **1.5×**.
- Led rollout planning, reliability validation, and distributed testing across multiple nodes to ensure service resilience.

## Product & Leadership Skills

**Product Skills:** Product Strategy, Feature Prioritization, MVP Definition, User Journey Mapping, Competitive Analysis, Data-Driven Decision Making, A/B Testing (basic), Product Roadmapping

**Execution & Delivery:** Sprint Planning, Cross-Functional Coordination, Requirements Gathering, Stakeholder Communication, Documentation Standards, Risk Assessment

**Leadership:** Event Organization, Judging/Evaluation, Mentorship Coordination, Team Alignment, Conflict-Free Collaboration

**Technical Foundation:** APIs, Databases (SQL/NoSQL), Web Platforms (React/Node.js), Cloud Deployment (AWS/GCP basics), Observability Concepts