

# BHUSHAN SAH

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## EDUCATION

### Kalinga Institute of Industrial Technology

Bachelor in Computer Science and Engineering ; CGPA: 8.36

Bhubaneswar, India

2022 – 2026

## EXPERIENCE

- **VeriStream - Real-Time Misinformation Detection — Github :** Dec 2024 - Present
  - Directed and engineered VeriStream, an AI-powered tool selected from 5.6K+ teams at the Truth Tell Hackathon
  - Developed a misinformation detection platform with Next.js, integrating ShadCN components for a seamless, responsive UI.
  - Designed an AI pipeline combining speech-to-text conversion, video processing, and knowledge graph visualization for misinformation analysis.
  - Created a robust back-end API using libraries such as video-processing.js for real-time fact-checking and interactive data presentation.
  - Delivered actionable insights through real-time fact-check results and interactive knowledge graphs, boosting user engagement.
- **Android Developer Virtual Internship — AICTE :** Oct 2024 – Dec 2024
  - Completed a certified virtual internship focused on designing and deploying scalable Android applications.
  - Demonstrated proficiency in Kotlin and Jetpack Compose through building dynamic, user-friendly mobile interfaces.

## PROJECTS

- **Java Application for Remote Control Car — Github:** February 2024
  - **Objective:** Created a Bluetooth-based Java app for remote control of Arduino modules.
  - **Achievements:** Demonstrated strong hardware interfacing skills with robust control capabilities.
- **Kisan Bazaar – AI-Powered Direct Market Access App for Farmers — Github:** September 2024
  - **AI-Powered Product Scanning & Price Prediction:** CNN-based product recognition and ML-driven price forecasting for informed, instant pricing and market insights.
  - **AI Voice Assistance & Logistics Optimization::** NLP chatbot for navigation in multiple languages and AI enhanced route planning to streamline delivery logistics, cutting costs and time.
  - **Core Functionalities:** Integrated secure authentication, API-based transactions, and real-time cart management..
  - **Tech Stack::** Flutter, Node.js , MongoDB , and AI/ML Kit.
- **Reinforcement Learning Projects:** October 2024
  - **Lunar Lander:** Trained an RL agent using Deep Q-Learning and neural networks, enhancing reward shaping to achieve successful landings. — **GitHub**
  - **Cliff Walking:** Implemented SARSA and Q-Learning algorithms to optimize pathfinding with Bellman's Equation and Monte Carlo techniques. — **GitHub**
  - **CartPole & Mountain Car:** Built deep RL models with Keras for balancing a pole (Cartpole) and hill climbing using SARSA, Deep Q-Learning, and Monte Carlo methods. Streamlined performance with reward shaping. —**GitHub**

## SKILLS

**Technologies & Tools:** Java, C, Python, Kotlin, Jetpack Compose, Flutter, TensorFlow, Keras, OpenAI Gym, PyTorch,Pandas, Generative AI, NLP, Git,Android Development

**Soft Skills:** Communication, Presentation, Documentation, Adaptability, and Resilience

## ACHIEVMENTS

**Certifications :** Introduction to Generative AI, AICTE Virtual Internship,

**SIH Hackathon:** Developed AspireX as part of a top-selected team among 400+, focusing on AI for career guidance.

**Conference Paper:** Co-authored a pending publication on ML-based medicine recommendations using symptom analysis.

**Activities:** Android Developer at GDG KIIT CHAPTER