Kaibalya Prasad Nayak

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# SUMMARY

I am a Computer Science Engineering student from the Institute Of Technical Education And Research(ITER), Bhubaneswar, Odisha. I have interned with DRDO and worked few Research projects.

Technology excites me and I am always in awe of the change it drives in the world. Certain skills that I have worked with include Data Structure and Algorithms(Java), Supervised Machine Learning(Python,numpy,Pandas,Matplotlib,Sckitlearn), Deep Learning(Tensorflow,Keras,PyTorch,CNN.ANN,NLP) & Game Development(C#, Unity).

# EDUCATION

B.Tech in Computer Science and Engineering (2022–2026)

Institute of Technical Education and Research | CGPA: 8.68

CBSE (XII), 2022

Kendriya Vidyalaya Kendrapara | Percentage: 83%

CBSE (X), 2020

Kendriya Vidyalaya Kendrapara | Percentage: 81%

**EXPERIENCE**

**INMAS,Defence Research and Development Organization(DRDO)**   **Jun 2024 - Jul 2024**

* *Research Trainee (*[*Certificate*](https://www.linkedin.com/in/kaibalyaprasadnayak/overlay/1725028695336/single-media-viewer/?profileId=ACoAAD2ClscBF8-MPdDGRvF-PLKq524JCh7XiwY)*)*

I have had the opportunity to contribute to game development projects using Unity and VR technology, gaining valuable experience in the fields of 3D modeling, animation, scripting, and virtual reality development.

**Celebal Technologies Jun 2025 - Aug 2025**

. *Data Science Intern(* [*Certificate*](https://www.linkedin.com/in/kaibalyaprasadnayak/overlay/1753886224418/single-media-viewer/?profileId=ACoAAD2ClscBF8-MPdDGRvF-PLKq524JCh7XiwY)*)*

I have had the opportunity to contribute to a network anomaly detection project using unsupervised learning techniques

like Isolation Forest and Autoencoders, gaining valuable experience in machine learning, data preprocessing.

# PROJECTS

## . Snake Game Using Open CV Feb 2025 - Mar 2025

*Game Model(*[*Game file*](https://github.com/Kaibalya42/Snake-Game-Using-CV-)*)*

- A Snake Game using OpenCV in Python utilizes computer vision to control the snake with hand gestures or object tracking.

- By integrating MediaPipe or OpenCV's color tracking, players navigate the snake without a keyboard.

## Breast Cancer Prediction Model Aug 2024 - Oct 2024

*ML in Predication Model (*[*Prediction File*](https://github.com/Kaibalya42/Breast-Cancer-Prediction-Model-Model)*)*

* + Implementing Cancer data analysis and predictive modeling to enhance the checkup.
  + People can only write some parameters ask by the model and then it show that you are cancerous or not.

## Face Recognition Model Nov 2024 - Jan 2025

*Deep Learning Model (* [*Detection File*](https://github.com/Kaibalya42/Face-Detection)*)*

* + Our face detection project in Python harnesses the power of computer vision to identify and localize human faces within images or video streams.

# TECHNICAL SKILLS

* **Programming Languages**: Java, Python, C,C#
* **Tools and Frameworks**:, Numpy, Pandas, Matplotlib, Seaborn, Sklearn, TensorFlow, Pytroch
* **Operating Systems**: Windows, Linux & Android

# CERTIFICATION

* **Problem Solving (Basic) :** Hackerrank
* **DSA in Java** : Lakshya Institute of Technology(LIT),Bhubaneswar

# RESEARCH PAPER

* **VR Gaming :** Worked in a team of four, guided by Prof. Eswar Rao, on publishing a research paper on Vr Gaming.

# Hackathons

* **Flipkart GRiD 6.0 - Software Development Track :** Flipkart ([Participation Certificate](https://unstop.com/certificate-preview/8547859f-48f5-4fc9-bb38-8d80e9c8d820?utm_campaign=site-emails&utm_medium=d2c-automated&utm_source=wow-look-at-your-certificate-flipkart-grid-60-software-development-track))