

# Anirudh Pradhan

+91-7978375082 | Bhubaneswar, India | hello@anirrudh.me | linkedin.com | github.com

## PROFESSIONAL EXPERIENCE

Malviya National Institute of Technology, Jaipur

May 2024 - August 2024

Worked under **Prof. Deepak Ranjan Naik**: improved the Glaucoma detection model.

*Research Internship*

- Developed an attention-based convolutional neural network over **ResNet**.
- Achieved a **2% improvement** over the previous state-of-the-art model by focusing on the **region of interest (ROI)**.

## EDUCATION

Bachelors in Computer Science (B.Tech), IIIT Bhubaneswar

2022 - 2026

*8.45 CGPA (post 4th Semester)*

*Bhubaneswar*

Intermediate, D.A.V. Public School Unit 8, Bhubaneswar

2020 - 2022

*Percentage: 91%*

*Bhubaneswar*

## PROJECTS

illaaJ- Your AI Assistant (Prompt Engineering, Flask, Bootstrap)

June 2024

*AI Replacing DOCTORS*

- Built an **AI-powered** doctor assistant using Flask and Python, allowing 5,000+ users to detect diseases with a **92% diagnostic accuracy** rate, significantly reducing the time to receive initial diagnoses by 60%.
- Used a Flask-based application **utilizing** a **JSON-format** relational database to manage & analyze over 100,000 symptoms.
- Engineered **effective prompts** using the **Gemini API** to retrieve personal home remedies, resulting in a 30% increase in the relevance and accuracy of recommendations for detected diseases.

Watchful Eye (CNN, Fine-Tuning, Transfer Learning, TensorFlow, Flask)

March 2022

*HackNITR Top 8*

- Developed and deployed an intelligence system, enhancing **security in online exams** and remote interviews, for over 10,000 users, ensuring a **cheat-free environment** with a 97% success rate in preventing cheating incidents.
- Integrated **real-time monitoring** and alert systems, processing over 500 images per second, enabling the immediate detection of suspicious behaviour during exams and interviews.
- Fine-tuned the **VGG16** model by **adjusting hyperparameters** and categorizing visual data with 95% accuracy

EAT- Efficient Appetite Tracker (Machine Learning, Flask, HTML, CSS, Tailwind)

October 2023

*D3 Hackathon Finalist By GFG*

- EAT is an application that tracks a person's buying habits and offers **personalized dietary plans**.
- Implemented a **random forest algorithm** to categorize **over 10,000 food items** into healthy and unhealthy categories, improving **classification accuracy to 96%** and enhancing the reliability of dietary assessments by 20%.
- Incorporated user feedback and preferences, resulting in a **15% increase** in user engagement.

## SKILLS & INTERESTS

**Languages:** C, C++, Python, Java, HTML, CSS

**Libraries and Frameworks:** Flask, Tensorflow, Scikit-Learn, Keras, Pandas, Numpy, Matplotlib, OpenCV, Transformers

**Tools & Technologies:** Git & GitHub, Deep Learning (CNN & NLP), Azure ML Studio, UI/UX, GenAI & Prompt Engineering

## RELEVANT COURSEWORK

Data Structures and Algorithms, Object-Oriented Programming, DBMS, Operating System

## ACHIEVEMENTS

D3 Hackathon Finalist By GFG

HackNITR 5.0 - Among the Top 8 teams

CodeChef (Max. Rating of 1433) [↗](#)

- Secured a 1473 top 6% rank in the Starters 130 weekly contest out of 28k participants.

Solved 200+ questions on Leetcode [↗](#)

## VOLUNTEERING

AI/ML Lead - Tech Society, IIIT Bhubaneswar