

DEEKSHIT KASHYAP

• +917086062373

• deekshitkashyap5@gmail.com

• [LINKEDIN](#)

• [GITHUB](#)

EDUCATION

B. TECH. in Computer Science, Specialization in Artificial Intelligence and Machine Learning May'21 - May'25 VIT University | Bhopal, IN

- **CGPA:** 8.7/10, Studying advanced topics including Machine Learning, Deep Learning for pattern recognition, Data Structures for efficient data management, and Computer Vision for image processing applications.
- **Involvement in Campus Life:** Founded and hence managed financial/photographic initiatives for the NorthEast Club, resulting in a notable increase in student involvement in regional cultural activities.

PROJECTS

Real-time Object Detection using YOLOv3 Model

Aug'23 - Sep'23

- Enforced the YOLOv3 model with the COCO dataset using Python for real-time object detection.
- Achieved 90% accuracy in identifying objects across 10,000+ images and videos, markedly enhancing detection precision.
- Improved real-time detection capabilities, increasing performance speed by 30% as a **model developer**.
- Streamlined advanced deep learning techniques to ensure robust and reliable object recognition in diverse environments up to 90% accuracy.

Breast Cancer Detection using U-Net Architecture

Aug'22 - Sep'22

- Refined the U-Net architecture in Python with TensorFlow and Keras to develop a robust model for detecting breast cancer as part of **model refinement** initiatives.
- Trained the model on a dataset of 5,000+ malignant and benign scans, achieving 95% accuracy in segmentation and classification.
- Enhanced diagnostic capabilities in healthcare by improving detection accuracy by 20%.

AI - VTOP

Jul'22 - Aug'22

- Developed a system using HTML/CSS, React, Node.js, and MongoDB to monitor and report on mandatory course completion for over 2,000 students in Natural Science, Humanities, and Management at Vellore University of Technology, Bhopal.
- Identified 150+ students unable to graduate due to incomplete mandatory courses despite meeting credit requirements.
- Generated detailed reports on student backlogs, improving academic progress tracking by 40% as **database administrator**.

KEY SKILLS

Technical Skills: C++, Python, Machine Learning, Web Development, Flask, SQL: My SQL, MongoDB.

Additional Skills: Excel, Google Digital Marketing & E-commerce Professional Certificate, Blockchain – Smart Contracts, Transaction Verification, Financial Analysis – Smart Money Concepts.

Certifications: HTML, CSS, and JavaScript for Web Developers (Coursera), Python Essentials (VITYarthi), Computer Vision (VITYarthi).

Extra-Curricular: Student Representative Grade 10 -Don Bosco School, Guwahati; Financial/Photography Head (NorthEast Club), Core Committee Member (Photography Club).

ACHIEVEMENTS

- Performance Analysis of Co-operative NOMA in Cognitive Radio Network by Yashaswini S and Senthilkumar Dhanasekaran - **Reviewed** by a team of 2 members.
- "Advanced Fire Detection and Extinguishing Rover with YOLOV8" - IEEE International Students' Conference SCEES'25 :- **Author**.
- Demonstrated skills in project management, teamwork, taking part in : -
 - BITWARS 2.0 arranged by VIT, Bhopal.
 - PRACHAR facilitated by E-Cell, VIT, Bhopal.
 - Yolo Bootcamp run by AI Club, VIT, Bhopal.