

# Nikshay Kumar

Ramchandra Niwas Kolshet Thane — 8434586691 — nikshaykmrr@gmail.com — LinkedIn Profile

## Summary

Machine Learning , Quantum Computing

## Education

**Btech -Computer Science Engineering**

**2025**

*D. Y. Patil International University*

*CGPA-8.34*

*Akurdi,Pune-411044*

**Kendriya Vidyalaya Danapur Cantt**

**June 2018 - June 2020**

*Higher Secondary School*

*Percentage-88.6*

*Patna, Bihar 801503*

**Kendriya Vidyalaya Vasco No 1**

**June 2010 - June 2018**

*Standard School Percentage-82.8*

*Vasco da Gama, Mormugao, Goa 403802*

## Experience

**Research Internship**

**May - August 2023**

*D. Y. Patil International University*

*Pune*

I led a YOLO NAS project in machine learning. Collaborating with a dedicated team, we optimized convolutional neural network architectures for real-time object detection. Employing cutting-edge techniques like evolutionary algorithms and reinforcement learning, our model achieved an impressive 88 percent test accuracy and underscored the iterative nature of enhancing model accuracy.

## Projects

**Real Time Object Detection**

Contributed to the development and optimization of real-time object detection systems using state-of-the-art techniques such as YOLO and SSD . Implemented and fine-tuned convolutional neural network architectures to achieve high accuracy and efficiency in real-world scenarios.

**Cloned Open Sea Website web3**

Created a clone of the OpenSea website using HTML, Bootstrap, and JavaScript. Utilized Bootstrap for responsive design and JavaScript for dynamic content. Demonstrated proficiency in web3 development and familiarity with decentralized applications (dApps) in the blockchain space.

**Terrain Dec Bot**

Designed and developed a lightweight robotic vehicle platform, achieving a harmonious balance between diverse requirements. The vehicle demonstrates adept navigation across urban terrains, including roads, steps, ditches, and gravel, enhanced with metal detection and suspension for traversing challenging surfaces.

## Technical Skills

- Languages- Python , C++, Cuda
- Technologies/Framework- Qiskit , Django
- Database- Sql, PostgreSQL