

# Anubhav Shukla, B.Tech

Aspiring Machine Learning Engineer with a passion for AI and problem-solving. Currently pursuing B.Tech, I am building my skills through hands-on projects and exploring diverse areas of ML. Eager to apply my growing knowledge to real-world challenges across industries

[Portfolio and ML Blog](#)

[LinkedIn](#)

[Github](#)

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## Experience

- 01/2024 – Present **Software Developer**, *HardCopy*, Pune.
- Working on developing a cross-platform mobile and desktop application using Dart, Rust, and ReactJS.
  - Integrating machine learning features to enhance the app's functionality.
- 10/2022 – 04/2023 **Software Developer**, *Vaizle*, Punjab.
- Developed and maintained web applications using Angular.js and TailwindCSS.
  - Built and managed APIs using Nestjs for robust and scalable server-side applications.
  - Worked closely with the project manager and other developers to deliver projects on time. [\[Link\]](#)

## Education

- 12/2021 – 06/2025 **B.Tech in Electronic and Telecommunications**, *Bharati Vidhyapeeth University, Pune*.
- CGPA: 8.4

## Selected ML Project

- 06/2024–08/2024 **Self-Driving Car**. A javascript simulation in which cars learn to navigate themselves through a track. The cars are controlled by a feedforward Neural Network. The weights of the network are trained using a genetic algorithm. [\[Link\]](#)
- 05/2024–05/2024 **Vehicle Counter using YOLOv8**: Developed a vehicle detection system for highways that accurately counts cars, buses, trucks, and motorcycles. The system tracks each vehicle's direction (inbound or outbound) and provides a total count for each vehicle type passing through a designated line. [\[Link\]](#)
- 01/2024–02/2024 **Movie recommendation system**: Movie recommendation system using content-based filtering. [\[Link\]](#)

## Selected ML Blogs

- 05/2024–05/2024 **Vehicle Counter with Ultralytics and OpenCV**. Developed a vehicle detection system for highways that accurately counts cars, buses, trucks, and motorcycles. The system tracks each vehicle's direction (inbound or outbound) and provides a total count for each vehicle type passing through a designated line. [\[Link\]](#)
- 05/2024–05/2024 **Understanding the Sigmoid Function: A Deep Dive**: A clear and concise explanation of the sigmoid function's role in converting model predictions into probabilities, enhancing interpretability and predictive accuracy in data analysis. Ideal for understanding and applying this function in various data science projects. [\[Link\]](#)
- 01/2024–02/2024 **Exploring Perceptrons**: Simplified the concept of perceptrons in a PDF guide, using relatable examples like determining exam pass/fail to explain decision-making in machine learning. [\[Link\]](#)

## Technical Stack

**Tools:** Python, JavaScript, Rust, Dart, Typescript, Nextjs, Django, Nodejs, Reactjs, Angularjs, AWS, Git, SQL, MongoDB, Docker, VSCode, Jupyter

**Libraries:** Pandas, Numpy, Streamlit, PyTorch, TensorFlow, keras, Huggingface, OpenCV, Scikit-Learn, XGBoost

## Soft Skills

- Key skills
- strong motivation to learn and be curious
  - attention to detail and scientific mindset
  - excellent communication skills
  - rich experience of working with ambiguous problems