

# Nandakishore B

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## Summary

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AI and Data Science enthusiast skilled in developing machine learning and deep learning models, with practical experience in computer vision, NLP, and web-based AI apps. Proficient in Python, SQL, TensorFlow, OpenCV, and Flask. Strong at building scalable, real-time solutions and currently pursuing Integrated M.Tech in AI at VIT Bhopal.

## Education

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**VIT Bhopal University**, Madhya Pradesh

Integrated M.Tech in Artificial Intelligence

CGPA: 8.60/10

*Expected Graduation: May 2026*

**Kendriya Vidyalaya Adoor**, Kerala

CBSE - Senior Secondary (12th)

GPA: 8.14/10

**Cherupushpa Bethany Sr. Secondary School**, Kerala

CBSE - Secondary (10th)

GPA: 9.14/10

## Technical Skills

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- **Artificial Intelligence:** Machine Learning, Deep Learning, NLP, Computer Vision
- **Programming Languages:** Python, Java, R, SQL
- **Tools & Technologies:** TensorFlow, Keras, PyTorch, Scikit-learn, OpenCV, Pandas, NumPy, Matplotlib, Seaborn, Flask, Git, MS Excel, Power BI

## Academic Projects

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**Intelligent Web-Based Threat Detection Using GenAI & ML** — [Link](#)

*Dec 2024 – Feb 2025*

- Developed an AI-powered web app to detect and classify malicious URLs and scam email content.
- Integrated Gemini 1.5 for phishing detection with natural language prompts.
- Built real-time file parsing and URL analysis using Flask backend.
- Enabled scalable threat detection through AI-powered workflows.

**Lane Detection AI Web App** — **Python, OpenCV, YOLOv8** — [Link](#)

*Jan 2025 – Mar 2025*

- Engineered a real-time lane and vehicle detection system using OpenCV, Canny edge detection, Hough Transform, and YOLOv8 ( 95% accuracy).
- Designed and deployed a web app interface for processing uploaded videos and live streams (MP4, AVI, MOV, MKV).
- Achieved 30 FPS inference; implemented confidence-based object filtering (threshold 0.5) for car detection/tracking.
- Integrated bounding box-based distance estimation, ROI masking, and polynomial curve fitting for better visual/spatial accuracy.

## Certifications

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- Ethnus AWS Solutions Architect – Associate Certification Program Apr 2025
- Applied ML in Python – Coursera Jan 2023
- NPTEL Cloud Computing – IIT Kharagpur Apr 2024
- LinkedIn Learning Certificate Jul 2024

## Extracurricular

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• **AI Club, VIT Bhopal**

*Nov 2021 – Oct 2024*

Member of the Artificial Intelligence Club.

**Languages:** English, Hindi, Malayalam, Tamil