

NAVANEETH KRISHNAN

AI/ML Engineer

 navaneethkrishnanvdmn@gmail.com

 +91 8848274001

 navaneethkrishnanvdmn@gmail.com

 [navaneeth-krishnan](https://www.linkedin.com/in/navaneeth-krishnan)

 [Mr-Navaneeth](https://github.com/Mr-Navaneeth)

PROFESSIONAL SUMMARY

AI/ML Developer with hands-on experience in Machine Learning and Deep Learning, skilled in Python and model development across NLP and Computer Vision projects.

EDUCATION

Bachelor of Computer Application

July 2020 – Sep 2024

- Indira Gandhi National Open University (IGNOU)

Diploma in Computer Engineering

Jun 2017 – Mar 2020

- Govt Polytechnic College, Punalur
- State Board of Technical Education

TECHNICAL SKILLS

- **Languages** : Python, Java, PHP
- **AI/ Machine Learning** : Machine Learning, Deep Learning, NLP, LLMs, Computer Vision, GenAi
- **Libraries & Frameworks** : TensorFlow, Scikit-learn, OpenCV, FastAPI, NumPy, Pandas, Matplotlib
- **Databases** : SQL, MySQL, PostgreSQL
- **Platforms & Tools** : Jupyter Notebook, PyCharm, Visual Studio Code, Git, GitHub
Hugging Face, Roboflow

SOFT SKILLS

- Analytical Thinking
- Continuous Learning
- Problem Solving
- Team Collaboration

PROJECTS

Traffic Sign Detection using YOLOv8, OpenCV & Gradio | [Link](#)

- Trained a custom YOLOv8 model on a self-collected traffic sign dataset containing 44 classes for real-time traffic sign detection.
- Integrated OpenCV for live video detection and developed an interactive Gradio interface for image and video predictions.

AI CCTV Intelligence Assistant using YOLOv8, LLMs & RAG | [Link](#)

- Developed an AI-powered CCTV video analysis system using YOLOv8 and OpenCV to detect objects and extract timestamp-based event information from surveillance footage.
- Integrated Generative AI, LLMs, and Retrieval-Augmented Generation (RAG) to enable natural-language queries and contextual retrieval of relevant CCTV events

Eye Disease Detection using CNN & OpenCV | [Link](#)

- Built a CNN model to classify eye diseases using TensorFlow and image preprocessing.
- Deployed the trained model in a Streamlit app using OpenCV for webcam prediction.

Loan Approval Prediction using Machine Learning | [Link](#)

- Built a classification model to predict loan approval using applicant financial data.
- Performed preprocessing, feature encoding, and model training using Python and Scikit-learn

CERTIFICATIONS & TRAINING

AI & Machine Learning Training | [Certificate](#)

Oct 2025 - Mar 2026

- Techmindz, Infopark, Kochi
- Practical training in ML, DL, NLP, and Computer Vision

Python AI Development (IBM) | [Certificate](#)

- Learned Python, Flask, PyTorch, and NumPy for AI and ML application development.

PHP Full Stack Development (Avodha) | [Certificate](#)

- Built web applications using HTML, CSS, Bootstrap, JavaScript, PHP, Laravel, and MySQL.

Google Cloud Fundamentals (Coursera) | [Certificate](#)

- Learned basics of cloud computing, storage, networking, and security.

Industrial Training at KELTRON | [Certificate](#)

- Completed training in HTML, PHP, and technical system environment