



ARPAN PRAMANIK

TECH DEVELOPER (AI, ML & EMBEDDED)

CONTACT

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- 🌐 [Linkedin](#) [GitHub](#) [My Project](#)

EDUCATION

2023 - 2027

THE NEOTIA UNIVERSITY

- B.Tech (CSE - AI & ML)
- CGPA: 9.42 / 10

2020 - 2021

SUNDARBAN ADARSHA
VIDYAMANDIR

- Higher Secondary (12th)
- PERCENTAGE: 87.6%

2014 - 2019

GOBINDARAMPUR ASWINI
KUMAR HIGH SCHOOL

- Secondary (10th)
- PERCENTAGE: 81%

TECHNICAL SKILLS

LANGUAGE

C, C++, Python, Java, R

LIBRARIES/Frameworks

TensorFlow, Keras, OpenCV,
YOLO, Scikit-learn, Streamlit,
Vercel, Render

DOMAINS

Machine Learning, Deep Learning,
Computer Vision, Cloud
Deployment, Web Development

LANGUAGES

English, Hindi, Bengali

OBJECTIVE

Passionate AI & ML enthusiast seeking an internship opportunity to apply and enhance skills in machine learning, deep learning, computer vision, and embedded systems, while contributing to innovative projects.

EXPERIENCE

- One Month Summer Training & Internship in Cyber Security, DataSpace Academy & The Neotia University, July 2024.
- Six-week summer training & internship in cyber security, Webel PVT. LTD & The Neotia University, June 2025.
- Two months Summer training & internship in Flask Development, Xetalabs, Guahati, Assam, July 2025.

PROJECTS

- **Chest X-ray Pneumonia Detection** [GITHUB LINK](#)
TensorFlow, Keras, Pre-Trained Model
 - Built a deep learning model using EfficientNetB3 for classifying chest X-ray images.
 - Achieved higher accuracy and generalization by replacing VGG16.
- **Real-time Fruit & Vegetable Classification** [GITHUB LINK](#)
TensorFlow, Keras, OpenCV, Streamlit
 - Created a real-time classification system using OpenCV with a laptop camera and achieved 98% accuracy on the test dataset.
 - Achieved higher accuracy and generalization by using EfficientNetB3.
- **Smart Waste Classification Model** [GITHUB LINK](#)
TensorFlow, Keras, Streamlit
 - Developed a MobileNetV2-based deep learning model for classifying waste into categories.
 - Built a Streamlit app for user-friendly interaction and visualization.
- **ASL (Sign Language) Gesture Prediction** [GITHUB LINK](#)
TensorFlow, Keras, Streamlit, OpenCV
 - Built a MobileNetV2-based deep learning model for classifying ASL hand gestures.
 - Enabled live detection via webcam for alphabet gestures.

CERTIFICATES

- One Week STTP — Revolutionizing Signal Processing: The Impact of AI and ML, DIT-IEEE-SPS, Mar 2025.
- 30 Hours Hands-on Training in Foundations and Practical Applications of AWS, DataSpace Academy & TNU, Nov 2024.