Harivaram Pooja Rai
Undergraduate
Woxsen University

hpoojarai@gmail.com
+91-8121844569
linkedin.com/in/harivaram-pooja-rai-a7bba12a2

EDUCATION

Degree	Specialization	Institute	Year	CGPA
B.Tech	AI & ML	Woxsen University	2023–Present	7.5
CBSE	PCM	Meluha International School	2021–2023	69
SSC	—	Ravindra Bharathi School	2021	10

WORK EXPERIENCE

- **AIML Intern – Elevate Labs** *May–Jun 2025*

  Contributed to AI product development for spam detection and text classification.

  - Built 4+ ML models using Scikit-learn and TensorFlow; improved classification accuracy by 12%.
  - Designed preprocessing and feature pipelines; achieved 89% F1-score on validation sets.
  - Deployed spam filter for 1,000+ messages/day, reducing false positives by 35%.

- **Student Exchange – UCSI University, Malaysia** *Jan–Apr 2025*

  Completed Semester 4 as part of international exchange in AI & ML.

  - Completed 5 academic modules and a capstone project on image classification using CNN.
  - Co-developed AI/ML applications with peers from 3 countries; delivered tested and documented code.

ACADEMIC & TECHNICAL PROJECTS

Smart Waste AI Bin using Arduino Uno *Nov 2024*

- Designed an automated bin using Arduino, sensors, and AI logic; reduced manual sorting by 70%.
- Achieved 85% accuracy in identifying biodegradable vs non-biodegradable waste types.

Flight Tickets Booking Website *Feb 2025*

- Built a responsive flight booking platform with Firebase backend and 100+ test users.
- Implemented authentication, live search, and booking features; achieved 90% task success.

Fire Detection using CCTV & Deep Learning *Jan - Apr 2025*

- Studied CNN-based fire detection from CCTV feeds; reviewed 5 papers and 3 open-source models.
- Compiled and analyzed findings into a detailed research report on fire classification accuracy.

Sentiment Analysis using Machine Learning *Aug–Dec 2024*

- Built a sentiment classifier for 10,000+ tweets using Scikit-learn; achieved 87% accuracy.
- Applied tokenization, TF-IDF, and stop-word removal for text preprocessing.

Federated Learning for Disease Prediction *Jan–Mar 2025*

- Designed a federated model across 3 hospitals' synthetic data; maintained privacy compliance.
- Delivered 91% accuracy while meeting HIPAA/GDPR standards for medical diagnostics.

EXTRACURRICULAR ACTIVITIES

- Student Council Food & Hygiene Secretary (Grades 11–12); led 3 school-wide hygiene initiatives.

- Represented school at CBSE Cluster Kho-Kho Tournament; part of finalist team.

- Orange Belt certified in Karate after passing 3 assessment levels.

TECHNICAL SKILLS

- **Languages:** Python, SQL, JavaScript, HTML, CSS

- **Tools:** Jupyter Notebook, LaTeX, VS Code, Git, GitHub, Google Colab, Streamlit

- **ML/AI Libraries:** Scikit-learn, TensorFlow, Whisper STT, T5, GPT-J

- **Frameworks:** Bootstrap, REST APIs

- **Others:** Prompt Engineering

- **Soft Skills:** Research, Writing, Public Speaking, Initiative