

## PRAJOHN HONA

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### Professional Summary

I am an enthusiastic and tech-savvy IT undergraduate passionate about Artificial Intelligence and Machine Learning. Proficient in Python, data analysis, and deep learning frameworks, with hands-on experience in building practical applications ranging from image classification to real-time games. Strong foundation in data science and eager to contribute to innovative, AI-driven projects.

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### Education

Bachelor's degree in information technology (*Expected: 2026*)

Presidential Graduate School – Kathmandu, Nepal

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### Technical Skills

- Languages: Python, SQL, C++, JavaScript
  - Frameworks & Libraries: TensorFlow, Keras, OpenCV, Pandas, NumPy, Seaborn, Matplotlib, NLTK, Streamlit, JQuery, FastAPI
  - Tools & Platforms: Git, GitHub, Jupyter Notebook, MySQL Server
  - Soft Skills: Problem-Solving, Collaboration, Communication, Time Management, Adaptability, Continuous Learning
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### Projects

#### Diabetes Prediction System

- Designed and trained a classification model to assess diabetes risk based on patient input data.

### Face Recognition System (OpenCV)

- Implemented real-time face detection using the Haar Cascade classifier on grayscale images.
- Visualized detections with bounding boxes using Matplotlib.

### Language Translation Model

- Built an English-to-Spanish translator using an LSTM-based sequence-to-sequence model architecture.

### Rock-Paper-Scissors Game

- Built using Python's random module, demonstrating function usage and control flow logic.

### Tic-Tac-Toe Game

- Developed an interactive terminal-based game in C++ with basic GUI logic and win detection algorithm.

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### Certifications

- Machine Learning Algorithms – Great Learning (*October 2024*)