

JITEN RAI

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EDUCATION

Texas College of Management & IT, Mitrapark, Kathmandu

Bachelor of Information Technology (Hons), CGPA: 3.72

Dec 2022 - Present

+2 Levels Science (Physics)

Xavier International College, Kalopul, Kathmandu

Mar 2015 - Apr 2017

SKILLS SUMMARY

Programming: Python, Data Structures, Algorithms

Libraries/Frameworks: NumPy, Pandas, Scikit-learn, TensorFlow

Domains: Machine Learning, Deep Learning, Computer Vision, Natural Language Processing, Data Science

Tools: Git, Jupyter Notebook, Virtual Environments, VS code

Soft Skills: Problem-Solving, Data Analysis, Project Management, Team Collaboration

PROJECTS

JarvisAI Voice Assistant | [LINK](#)

- Developed a Python-based personal voice assistant to streamline daily activities through voice commands.
- Integrated speech recognition and natural language processing (NLP) for efficient user interaction using machine learning techniques.

ChatterMate (AI Chatbot) | [LINK](#)

- Built an AI chatbot using Python, leveraging natural language processing (NLP) and machine learning for intent recognition and context-aware responses.
- Designed to handle conversational tasks with improved accuracy and user engagement.

MCQ Paper Grader | [LINK](#)

- Developed a web-based application to automate grading of multiple-choice answer sheets using image processing.
- Utilized OpenCV for bubble detection, Streamlit for an interactive user interface, and Pandas for result analysis and visualization.

CERTIFICATIONS

Deep Learning Specialization, Coursera, March 2025 | [LINK](#)

- Sequence Models, DeepLearning.AI, March 19, 2025 | [LINK](#)
- Convolutional Neural Network, DeepLearning.AI, March 10, 2025 | [LINK](#)
- Structuring Machine Learning Projects, DeepLearning.AI, March 4, 2025 | [LINK](#)
- Improving Deep Neural Networks: Hyperparameter Tuning, Regularization, DeepLearning.AI, February 27, 2025 | [LINK](#)
- Neural Networks and Deep Learning, DeepLearning.AI, February 13, 2025 | [LINK](#)

Machine Learning Internship Completion, CodeVeda Technologies, 2024 | [LINK](#)

ADDITIONAL INFORMATION

- Languages:** English (Fluent), Nepali (Native)
- Awards/Activities:**
- Winner, Texas Hackathon 2025 - Volume I Collaborated with my team to develop a virtual assistant for visually impaired students.
- Robotics Expo | Sep 2025 | Presented a group project on a Remote-Controlled IR Ray Sensor Light built using Arduino and IoT concepts.

REFERENCES

References available upon requests.