

Nischal Pandey

Machine Learning | Ai | Web-Development

Tilottama, Lumbini Province, Nepal 3290

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

Objective

A high school student with hands-on experience in Python, AI, and full-stack web development. Seeking a U.S. undergraduate scholarship to advance my skills in computer science and artificial intelligence through research and innovation.

Technical Projects

Zenora | Full-Stack Web Application

- Developed a E-commerce prototype with user authentication, menu browsing, and order-tracking functionality with user profile
- Integrated Flask backend with MySQL database for secure data storage and retrieval.
- **Tools:** Flask, MySQL, HTML/CSS, JavaScript

Automatic Chatbot with Ollama model

- Created an AI-powered chatbot using oLLama to automate customer interactions and enhance user engagement.
- Implemented message automation via pyautogui for seamless WhatsApp integration.
- **Tools:** Python, PyAutoGUI , Ollama

JARVIS | Voice-Activated AI Assistant

- Designed a virtual assistant capable of task automation (e.g., web searches, reminders) using speech recognition.
- Integrated deepseekr1 for natural language processing and dynamic responses.
- **Tools:** Python, SpeechRecognition, Pyttsx3, Ollama, deepseekr1

Skills

- **Languages:** Python, C, JavaScript
- **Frameworks/Libraries:** Flask, Pandas, NumPy, Seaborn, Matplotlib, Streamlit
- **Tools:** Git/GitHub, MySQL, Jupyter Notebook, Exploratory Data Analysis (EDA), MS Office

- **Core Competencies:** Analytical Problem Solving, Data Visualization, Statistical Analysis
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Experience

Freelance Python Developer | *Self-Employed*

June 2023 – Present

- Developed and deployed custom automation tools and web applications using Python , Flask and django.
 - Collaborated with senior developers to refine code for performance and scalability.
 - Gained real-world problem-solving experience and applied data-driven approaches in freelance projects.
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Education

Paramount Boarding High School, Tilottama, Nepal

High School (Expected July 2025)

- **Major:** Physical Science
 - **Relevant Coursework:** Computer Science, Physics, Chemistry, Mathematics
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Certifications

- **CS50's Introduction to Programming with Python** | Harvard University
 - **Developing AI Applications with Flask** | IBM (Coursera)
 - **Everyday Excel: Advanced Data Analysis** | University of Colorado Boulder
 - **CS50's Introduction to Artificial Intelligence** | Harvard University
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Languages

- English (Proficient) | Hindi (Proficient) | Nepali (Native)