

# Nischal Pandey

## Machine Learning | Ai | Web-Development

Tilottama, Lumbini Province, Nepal 3290

+977 976-630-5007 | nischalpandey0204@gmail.com

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

## Objective

Curious and driven high school student with hands-on experience in Python, AI, and full-stack web development. I'm passionate about building smart systems and real-world applications—from voice-activated assistants to full-stack platforms. Actively seeking a scholarship opportunity to pursue undergraduate studies in the U.S., where I can grow through research, innovation, and collaboration in the field of computer science and artificial intelligence.

## Technical Projects

### *Digi-Bistro / Full-Stack Web Application*

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

### *WhatsApp Chatbot with GPT-3.5 API*

- Engineered an AI-powered chatbot using OpenAI's API to automate customer interactions and enhance user engagement.
- Implemented message automation via pyautogui for seamless WhatsApp integration.
- **Tools:** Python, OpenAI API, PyAutoGUI

### *JARVIS / Voice-Activated AI Assistant*

- Designed a virtual assistant capable of task automation (e.g., web searches, reminders) using speech recognition.
- Integrated OpenAI API for natural language processing and dynamic responses.
- **Tools:** Python, SpeechRecognition, Pytsx3, OpenAI API

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## 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 and Flask.
  - 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
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#### Languages

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