Bishal Dhungana

Aspiring AI & Automation Engineer | B.Sc. CSIT Final Year

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Professional Summary

Final-year B.Sc. CSIT student with a strong foundation in **Software Development**, **AI Agents**, and **Workflow Automation**. Passionate about building practical solutions using **n8n** and **Python**. While my background is rooted in AI, I am an aggressive learner currently upskilling in modern web frameworks like Next.js. I am eager to apply my logic and automation skills to build scalable products at AY Automate.

Technical Skills

Automation & AI	**n8n**, Zapier, AI Agents, REST API Integration, Web Scraping, OpenAI API
Languages	Python (Advanced), SQL, Next.js, C/C++, HTML/CSS
Data Science	Pandas, NumPy, Scikit-learn, TensorFlow, Matplotlib
Tools & Dev	Git/GitHub, Linux, VS Code, Postman

Projects

AI-Powered Voice Command Agent, *Academic Project*, Python

- Developed a functional AI agent using `speech_recognition` and `pyttsx3` libraries to interpret natural language commands.

- Engineered logic to automate system tasks such as opening applications, fetching real-time news via APIs, and managing scheduling/reminders.

- Designed a modular structure allowing for easy integration of new "skills" or tool definitions.

Salon Management System, *Final Year Project*, `https://barbermanagement.bishal.site/`

- Built a comprehensive management software solution to digitize barbershop operations.

- Implemented features for appointment scheduling, customer management, and billing/invoicing.

- Designed a relational database schema (SQL) to handle transaction records and user data efficiently.

- Focused on creating a user-friendly interface for non-technical staff.

Automated Data Collection Pipelines, *Personal Project*, Python

- Engineered automated scripts using `BeautifulSoup` and `Requests` to extract structured data from multiple target websites.

- Built error-handling mechanisms to ensure pipeline reliability during network fluctuations.

- Cleaned and normalized raw data into CSV/JSON formats for downstream analysis or database insertion.

Education

2022–Present	**B.Sc. in Computer Science and Information Technology (CSIT)**, *Patan Multiple Campus*, Lalitpur
	Focus: Artificial Intelligence, Software Engineering, and Database Management Systems.
2020–2022	**+2 Science**, *Trinity International College*, Kathmandu

Certifications

2025	**TensorFlow: Basic to Advanced Training**, *Udemy*
2024	**Machine Learning with Python**, *IBM*