

Bigyapti Bashyal

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EDUCATION

Nov 2019 – Apr 2024 **Bachelor of Computer Engineering** Lalitpur, Nepal
Institute of Engineering, Pulchowk Campus

PROFESSIONAL EXPERIENCE

Jan 2024 – Mar 2024 **Software Intern** Lalitpur, Nepal
Hydro Lab
Engaged in image acquisition, processing, and computer vision tasks using Basler cameras, PyPylon, and OpenCV within Python.

Feb 2024 – present **Nobel Intern**
Nobel Navigators
Hands-on experience in web design basics, internet troubleshooting, communication, pitch & presentation, and leadership training.

PROJECTS

NLPR 🌐

The Helmet and License Plate Detection System is a web app using YOLOv8 and OpenCV to identify helmets and Nepali license plates.

CV Analyzer 🌐

The CV Analyzer is a web application that uses NLP techniques to analyze resumes and rank candidates.

Webpage Summerizer 🌐

The web page summarization tool utilizes Selenium for web scraping, the Google Gemini API for content summarization, and Gradio for the user interface.

Portfolio Website 🌐

Portfolio website built using Next.js and Tailwind CSS.

Expense Tracker 🌐

Web application made using Django and chart.js to track expenses and income.

Image Fusion 🌐

Multi-focus image fusion uses CNNs to combine images with different focus depths into one image that preserves all information.

Vatsala Devi 🌐

This project uses Blender and OpenGL to create a 3D model of Vatsala Devi Temple with texture mapping, lighting, and shaders.

CERTIFICATES

• Machine Learning with Python 🌐

• Data Analysis with Python 🌐

TECHNICAL SKILLS

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|-----------------------|----------|
| HTML, CSS, JavaScript | Python |
| Git, GitHub | React.js |
| Tensorflow | Node.js |
| Pandas | Django |
| Flask | Next.js |