Bigyapti Bashyal

bbigyapti@gmail.com
+977 9863333325
https://github.com/bigyapti
https://www.bigyaptibashyal.com.np
Kathmandu,Nepal

EDUCATION

Bachelor of Computer Engineering Nov 2019 – present
Institute of Engineering, Pulchowk Campus Lalitpur, Nepal

PROFESSIONAL EXPERIENCE

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

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

Data Specialist Jul 2021 – Jan 2024
Cloudfactory Lalitpur, Nepal
Utilized CVAT for data annotation, learned web and post-scraping techniques, and collaborated effectively with team members.

PROJECTS

CV Analyzer
The CV Analyzer employs NLP and ML for resume analysis, providing insights, predicting job sectors, and enabling efficient recruitment. Implemented with Flask, MongoDB, and Bootstrap for backend, database, and frontend, respectively.

NLPR
The Helmet and License Plate Detection System uses YOLOv8 and OpenCV for real-time identification of helmets and Nepali license plates, enhancing safety and compliance measures.

GarbageCollectorAI
The GarbageCollectorAI employs Deep Q-Learning and trains an AI agent for efficient garbage collection in a digital environment.

Vatsala Devi
This project creates a realistic 3D model of Vatsala Devi Temple using computer graphics tools, including Blender, OpenGL, GLFW, GLAD, and GLSL, incorporating advanced techniques such as texture mapping, lighting, and shaders.

Expense Tracker
The Expense Tracker Django project integrates an Admin panel, Ajax search, PostgreSQL database, mail server registration, and utilizes Chart.js for visualizing expenses and income.

Image Fusion
The multifocus image fusion utilizes the MAX fusion scheme with a modified ResNet101 architecture for feature extraction and final convolutional layers for image reconstruction.

Webpage Summerizer
Summerizes web pages using selenium, gemini and gradio.

Portfolio Website
Portfolio website built using Next.js and Tailwind CSS.

CERTIFICATES

- Machine Learning with Python
- Data Analysis with Python

TECHNICAL SKILLS

HTML, CSS, JavaScript

Git, GitHub

Tensorflow

Node.js

Matplotlib

Django

Next.js

Seaborn

Python

React.js

SQL

PyTorch

NumPy

Flask

MongoDB