

# Bigyapti Bashyal

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## Education

2019/11 – present      **Bachelor of Computer Engineering**  
Lalitpur, Nepal      *Institute of Engineering, Pulchowk Campus*

## Professional Experience

2021/07 – 2023/12      **Data Specialist**  
Lalitpur, Nepal      *Cloudfactory*  
Worked with various data annotation tools such as the CVAT tool.  
Introduced to web research and post scraping.  
Collaborated, communicated and performed tasks with team members.

## Technical Skills

HTML, CSS, JavaScript	Python
Git, GitHub	React.js
Tensorflow	SQL
Node.js	PyTorch
Matplotlib	NumPy
Django	Flask
Next.js	MongoDB
Seaborn	

## 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.

### StarWars [↗](#)

StarWars implements object-oriented programming in C++ with SFML for game development, featuring spaceship piloting, asteroid shooting, player controls, collisions, scoring, and lives.

### Pathfinder [↗](#)

Pathfinder generates random maze using DFS and solves the generated maze using A\* search algorithm.

### Portfolio Website [↗](#)

Portfolio website built using Next.js and Tailwind CSS.

### Soft Skills

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English Language Proficiency

Communication Skills

Content Writing

Presentation Skills

Problem Solving