

# Diwas Kunwar

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## Summary

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As an AI enthusiast eager for opportunities, with a strong Python background and a keen interest in AI, I am proficient in backend development with Django, Flask, FastAPI, as well as automation using BS4 and Selenium. Additionally, I am skilled in data manipulation using Pandas and NumPy, enabling me to tackle diverse AI and data science challenges. With a grasp of RAG models, Langchain, Vector Datasets, and Embeddings, I am poised to contribute to innovative projects in AI and technology, fueled by a relentless drive for continuous learning

## Experience

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### Inspiring Lab, Lalitpur

#### Python Intern | 11/2023 - 02/2024

Beautiful Soup, Selenium, Scrapy, FastAPI, JSON Web Tokens (JWT), OAuth2, PostgreSQL & Docker

### ACE, Bhaktapur

#### Web Developer | 07/2019 - 01/2021

- Developed a robust authentication and authorization system
- Optimized database queries and implemented caching mechanisms to enhance the performance
- Implemented a content delivery network that improved website loading time

## Skills

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Python, Linux, Git, Docker, MySQL, PostgreSQL, JWT, ORM, OAuth, PHP, Java

## Education

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Kathmandu College of Technology (BCA) | Bhaktapur

## Projects

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### Disease Detection Application, Nov 2023

- Mobile Application Using Java and Python
- Back propagation, Adam Optimizer, Conv2D, ReLU, Keras, TFlite, Pickle

[https://github.com/witcher9591/cropsafe\\_potato](https://github.com/witcher9591/cropsafe_potato)

### Stock Market, Feb 2024

- Analyse using pandas & plot stock price using candlestick

[https://github.com/diwaskunwar10/stock\\_market](https://github.com/diwaskunwar10/stock_market)

### Document Chatbot, Mar 2024

- PDF Text Extraction and Processing for Text Chunking
- Vector Store and Embed & Conversational AI Integration

[https://github.com/diwaskunwar10/document\\_chatbot](https://github.com/diwaskunwar10/document_chatbot)

### Document Search Apr-2024

- Document chunking algorithm and embedding
- Combined vector store and keyword retriever for ensemble retrieval.

[https://github.com/diwaskunwar10/doc\\_search](https://github.com/diwaskunwar10/doc_search)