Arbin Chand

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PERSONAL SUMMARY:

Skilled in developing and deploying ML models, optimizing algorithms, and handling large datasets. Experienced in building high-performance Flutter apps with seamless UI/UX. Proficient in Python, TensorFlow, PyTorch, Dart, and Firebase. Passionate about AI-driven solutions and scalable mobile applications.

CORE SKILLS:

- **Languages**: Python, C/C++, SQL (MySQL), HTML/CSS, Dart
- **Machine Learning & Data Science**: PyTorch, TensorFlow, scikit-learn, Pandas, NumPy
- **Data Visualization**: Matplotlib, Seaborn, Power BI, Tableau
- **Database & Storage**: MySQL, Firebase
- **Software Development & Tools**: Git, GitHub, Django, Flutter

EDUCATION:

Bachelor of Computer Engineering 2019 – 2024

Tribhuvan University, Nepal

PROFESSIONAL EXPERIENCE:

Machine Learning Intern

Cognifyz Technologies May 2024 – July 2024

- Developed ML models for data analysis and prediction.
- Worked with large datasets, performing data preprocessing and feature engineering.
- Optimized deep learning algorithms for improved accuracy and efficiency.

PROJECTS:

Object Detection – Python, Dart

Github: https://github.com/Arbin17/Object

- Developed a real-time object detection mobile application using Flutter and TensorFlow Lite.
- Integrated a pre-trained YOLOv5/MobileNet SSD model, allowing accurate and efficient detection of multiple objects in live camera feeds.

Vegetable Classification Model - Python

Github:https://github.com/Arbin17/yes

- Developed a deep learning-based vegetable classification model using convolutional neural networks (CNNs) to accurately identify and categorize different vegetable types.
- Collected and preprocessed a diverse dataset of vegetable images, applying augmentation techniques to improve model generalization and performance.
- Evaluated model performance with precision, recall, and F1-score metrics, ensuring reliable predictions across various lighting and background conditions.

LLM-based Product Recommendation System- *Python,FastAPI, Django*

Github: https://github.com/Arbin17/Product_Recommedation_Ecommerce-

- Create a fine-tuning pipeline to adapt the LLM for product recommendations.(BERT)
- Implement an API to integrate the recommendation system with an e-commerce platform using Django and FastAPI.
- Develop an efficient retrieval system to fetch relevant products.
- Develop endpoints for product search, recommendations, and user feedback.