BIJAY SHREEPALI
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GitHub: github.com/BIjjay017

PROFESSIONAL SUMMARY

Computer Science & IT student with a robust foundation in full-stack development and AI/ML procedures. Demonstrated ability to design and implement data-driven solutions using Python, JavaScript, and modern frameworks. Seeking opportunities to contribute technical skills in software engineering and data science while growing in a collaborative, innovative environment.

TECHNICAL EXPERTISE

Programming Languages: Python, JavaScript, SQL
Frameworks & Libraries: React.js, FastAPI, Django
Databases & Storage: Oracle, PostgreSQL, MongoDB, MySQL
Machine Learning: Scikit-learn, Pandas, NumPy, Pytorch (Basics)
Development Tools: Git, GitHub, Postman, Docker (Basic), Power BI

EDUCATION

Bachelor of Science in Computer Science & Information Technology (BSc.CSIT)
Tribhuvan University, Kathmandu
Expected Graduation: 2026

PROJECT EXPERIENCE

Dynamic Pricing Engine for Flight Ticketing
Full-stack Web Application with Machine Learning Integration

- Developed predictive models using regression algorithms to forecast flight price fluctuations with 90% accuracy
- Engineered Django-based web interface with PostgreSQL backend for real-time price visualization
- *Tech Stack:* Python, Django, PostgreSQL, Scikit-learn, Bootstrap, JavaScript

Customer Segmentation & Targeted Advertising Platform
Machine Learning Web Application

- Built customer clustering system using K-Means and KNN algorithms for demographic segmentation
- Estimated campaign costs reduction by 20% through targeted advertising and improved conversion rates
- *Tech Stack:* Python, Flask, PostgreSQL, SMTP

House Price Prediction Model
Machine Learning Regression Analysis

- Engineered features from housing dataset and implemented multiple regression models
- Created interactive visualization dashboard for model performance analysis
- *Tech Stack:* Python, Scikit-learn, Matplotlib, Seaborn, Jupyter Notebook

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CERTIFICATIONS & ACHIEVEMENTS

- **NVIDIA Deep Learning Fundamentals** – NVIDIA (2025)
- **Kaggle Machine Learning Certificates** – Kaggle (2024)