Pratigya Paudel

NEW BANESHWOR, KATHMANDU

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pratigya2 (pratigya paudel) (github.com)

Summary

I'm a motivated undergraduate with a keen interest in AI, ML, and image processing, along with strong leadership, creative, and analytical skills. I'm passionate about exploring these fields and driven by a diligent work ethic.

Skill Highlights

- Python (numpy, pandas, opencv)
- Database Management System
- C, C++
- Git Control
- HTML, CSS
- Django
- AI and Data Mining Algorithms

Education

Secondary School
Amarsingh Model Higher Secondary School
2017 – 2019 (GPA:3.31)

Bachelor of Computer Engineering
Thapathali Campus (IOE)
2019 – present (70% average upto 7th semester)

Participation

- Selected and participated in “Code like her 23” organized by Code Rush. (Jan 2024)
- Selected and Participated in “DeerHack 2023” organized by Deerwalk Inc. (June 2023)
- Worked as the front-end and back-end developer on Stock Market Prediction supervised by Mr. Deepesh Man Shakya (Senior Staff Product Applications Engineer at Xilinx, Inc., Ireland). (Nov 2021 – Sep 2022)
- Participation in ‘Locus Hardware Fellowship’ Workshop. (Jan 2019)

Projects

Unriddling and Synthesizing Crosswords using Transformer-based Question Answer Models (May 2023 - present)
A crossword solver, utilizing DistilBERT and T5-Small models, surpasses Berkeley Crossword Solver, integrating advanced image processing for solving via image or text inputs. This inclusive design enhances user experience and offers customizable grid generation for added functionality.

Automatic License Plate Recognition System (Nov 2022 – Mar 2023)
AI-based vehicle recognition system using YOLO for object detection and neural networks for license plate extraction. Trained on diverse vehicle images, the model ensures effective and economical recognition.
GitHub - pratigya2/Automatic-License-Plate-Detection

NutriMate (June 2023)
a meal recommendation system utilizing KNN for diet restriction-based recommendations (e.g., keto, paleo). Interactive UI allows users to view recommended recipes, with QR code integration for easy diet ordering.
pratigya2/NutriMate: Meal Recommendation (github.com)

Cinephile Choose (Oct 2021)
A movie review system developed in C++ and Qt, featuring database integration. Users can browse movie details, provide reviews and ratings, while admins manage movie information, user data, and system settings.
pratigya2/Cinephile-Choose: This is a movie review system. (github.com)

DECLARATION

I hereby declare the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of above-mentioned information.
(Pratigya Paudel)