Pratham Saraf

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Objective

Dedicated, goal-oriented, and team-oriented individual who seeks an opportunity to work in the field of Machine Learning and Artificial Intelligence

Education

Indian Institute of Information Technology   Bhopal
BTech Computer Science   December 2021 - Present

Relevant Coursework

- Object Oriented Programming
- Advanced Engineering Maths
- Discrete Structures
- Object Oriented Programming

Projects

Books recommendation system   May 2022 - Present
Github link for project ⬈

- Manages user-registration using **Mongo-DB**
- The data consisted of **2.36M books with 29 features each and 229M user interaction with 4 features**.
- Used **tf-idf vector** for document searching
- Used cosine similarities to recommend top 10 books. Front end is developed using *Flask*

Mini Max Tic-Tac-Toe   May 2022
Github link for project ⬈

- The computer uses **Mini - Max Algorithm** to decide its move
- The front end is developed using **Tkinter in Python**.

Skills

Programming Languages:	Python, C++ ,C, R,
Platforms:	GitHub (with Github Actions), GitLab, Git
Database Management Systems:	MySQL , PostgreSQL, Mongo-DB
Web Development:	HTML , CSS (Bootstrap and Tailwind) , JavaScript ,Babel JS
Libraries / Frameworks:	Flask , Django, FastAPI
Soft Skills:	Leadership, Communication Skills, Organised
Langues:	German , English

Achievements

Runner Up   **HACK WITH GDSC IIITB: HACKATHON Google Developer Student Club**
certificate
Won second prize in Intra IIIT development contest conducted by GDSC IIIT Bhopal for creating a password manager.
Skills Used: Python, MySQl, Encryption Methods (MD5Sum)   Aug 2022

Certificates

CS50's Introduction to Programming with Python   March 2022 - May 2022
Course Link ⬈

- Course Consisted of the basic python topics to advanced concepts like OOPs
- It covered variety of libraries and multitude of functions

Machine Learning Specialization by Deeplearning.ai   April 2022 - July 2022
Course Link ⬈

- Build & train a neural network with TensorFlow to perform multi-class classification, build and use decision trees along with tree ensemble methods
- Build ML models with NumPy & scikit-learn, build & train supervised models for prediction & binary classification tasks (linear, logistic regression)

IBM Data Science Professional Certificate   July 2022 - Present
Course Link ⬈

- Import and clean data sets, analyze and visualize data, and build and evaluate machine learning models and pipelines using Python

Deep Learning Specialization by Deeplearning.ai   April 2022 - Present
Course Link ⬈

- Build and train deep neural networks, identify key architecture parameters, implement vectorized neural networks and deep learning to applications
- Build and train RNNs, work with NLP and Word Embeddings, and use HuggingFace tokenizers and transformer models to perform NER and Question Answering