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 - June 2022
Github link for project ⬀ Kaggle Notebook ⬀

- makes use of **Mongo-DB** to control user registration. **2.36 million** books with 29 features each and **229 million** user interactions with 4 features made up the data.
- The top 100 books were suggested using **Nearest Neighbour** and the **tf-idf vector** for document searching. **Flask** is used to create the front end.
  Skills Used: Python, MongoDB, Flask, Sk-Learn

Self driving car simulator — August 2022
Github link for project ⬀ Kaggle Notebook ⬀

- The data for the model was collected using a car simulation which gave the data about the three views of the car. It data consisted of the brake speed, the throttle and degree of the turn of steering wheel. It consisted of **145 Thousand images**
- The network architecture consisted of 5 convolutional layers and 3 fully connected layers. It uses Dave 2 system. The images were then augmented to create various cases that can be observed during the testing of the model
  Skills Used: Python, CNN, Data collection, Pytorch

POSITION OF RESPONSIBILITY

GNU/Linux Users Club — IIIT Bhopal
ML-OPS lead — August 2022 - Present

- Using Arch Linux as my main distribution but I also have experience most Debian Based(Ubuntu), Fedora and Arch based Distributions

Google Developer Student Clubs(GDSC) — IIIT Bhopal
Assitant AI-ML lead — August 2022 - Present

- Guided students of the college in the complex topics of Machine Learning and Deep Learning

Kratigence — IIIT Bhopal
Core Team Member — August 2022 - Present

- Took steps to make people aware about the field of ML.

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, Pytorch, Tensorflow
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 (Course Link ⬀) — March 2022 - May 2022

Machine Learning Specialization by Deeplearning.ai (Course Link ⬀) — April 2022 - July 2022

IBM Data Science Professional Certificate (Course Link ⬀) — July 2022 - Present

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