



Bharti Patel

B.Tech – Petroleum Engineering - IIT, Dhanbad



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EXPERIENCE

Mentee

Microsoft Engage 2022

4th May 2022 - 29th May 2022

PROJECTS

Book Recommendation Application

This Book Recommender engine recommends books to a user based on his interest. The technology stack used for building this application mainly contains Python, Machine Learning, Pycharm, Streamlit, MongoDB, OpenCV, and Heroku.

The application generates recommendations based on the product a user has searched for, what is contained in its cart, what is in its search history, and what is its age and gender, based on different genres and sorting criteria. It can also detect users' age and gender via opencv and recommend books based on their age and gender.

The approaches used to make this recommendation engine are content-based, collaborative, knowledge-based, hybrid, and demographic-based filtering.

[Link to the deployed application](#)

[Link to the github repository](#)

Blog Website

This personal blog website contains a home page, about us page, contact us page, and hidden page that allows you to compose the blog. When a new post is made, it gets stored in the database and put right on the home page, and a new page is created just for that new post.

This project is built using HTML, CSS, Javascript, MongoDB, Express, Node.js, EJS, and Bootstrap.

[Link to the github repository](#)

To-Do List Application

This is a to-do list, where we get to check off our to-do list items and add new things, which will get stored in the database and get added to our to-do list. With the help of Express route parameters, the application can have multiple lists. We can create as many custom lists as we want and access them by appending its name to the web address.

I built this project using HTML, CSS, Javascript, Bootstrap, MongoDB, Express, Node.js, and EJS.

[Link to the deployed application](#)

[Link to the github repository](#)

COURSES

Learned C and C++.

Learned Data Structure and Algorithms from [freecodecamp](#).

Learning Machine Learning from [Udemy](#).

Learning Web Development from [Udemy](#).

EDUCATION

Indian Institute of Technology (ISM), Dhanbad — Bachelor of Technology in Petroleum Engineering

December 2020 - MAY 2024 **CGPA – 7.54**

Jawahar Navodaya Vidyalaya, Bangalore

12th - APRIL 2019 - APRIL 2020 - **92.4%**

Jawahar Navodaya Vidyalaya, Raigarh

10th - APRIL 2017 - APRIL 2018 - **89.4%**

SKILLS

- **Strong:** C++, C, Data Structure and Algorithms
- **Intermediate:** Web Development
- **Beginner:** Python, Machine Learning

ACHIEVEMENTS

- Participated in a state-level chess competition, organized by Jawahar Navodaya Vidyalaya Samiti and secured 2nd position.
- Participated in a regional-level chess competition, organized by Jawahar Navodaya Vidyalaya Samiti and secured 7th position.
- Had been guiding in the Scouts and Guides Association of Jawahar Navodaya Samiti.

POSITIONS OF RESPONSIBILITY

- Member at Fotofreaks - The Photography club of IIT (ISM)

EXTRACURRICULARS

- Sports
- Photography