Ashmit Prajapati

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Skills

Languages: Python, Java, HTML/CSS, JavaScript, C++
Developer Tools: Visual Studio Code, IntelliJ IDEA, PyCharm, Google Colab, Jupyter Notebook
Technologies/Frameworks: Linux, Windows, GitHub, Git , Node.js, Express.js, Numpy, Pandas, PyTorch
Database: MongoDB, MySQL
Soft skills: Problem solving, Team player, Adaptability, Project management

Projects

Food and Beverage: Wine Quality Prediction | Python   February 2024- April 2024
- GitHub link: github/foodandbeveragewinequalityprediction
- Processed and analysed the dataset from the UCI Machine Learning Repository. Refined data through cleaning techniques and applied feature selection to improve accuracy.
- Implemented and evaluated three classification models: Logistic Regression, Random Forest Classifier, and Support Vector Machine (SVM).
- Performed essential preprocessing steps such as handling missing values, removing duplicates, correcting inconsistent entries, and converting datatypes.

Real Face Mask Detection | Python, OpenCV, Three Algorithms Used   February 2024- April 2024
- GitHub link: github/realfacemaskdetection
- Developed face detection using Haar cascades to identify human faces in real-time video streams.
- Implemented facial recognition using the Local Binary Patterns Histogram (LBPH) algorithm to train and match faces.
- Enhanced detection accuracy by integrating a deep learning-based model using a pre-trained Caffe framework. Combined classical computer vision techniques with DNN-based classification. This approach allowed efficient, real-time performance improving recognition accuracy.

Student Course Work Management App | Node.js, Express.js, MongoDB   June 2025- July 2025
- GitHub link: github/mernstackproject
- Build a task management interface using React. Created a form to add tasks with title and description fields.
- Added input validation and showed error messages if the input was invalid.
- Used toast notifications to show success or error messages after submitting the form.
- Made a reusable task component to display and used different badge colours (blue, yellow, green, red) based on the task status. Used useEffect to update the badge colour and added routing for viewing task details.

Certifications

- Data Structure and Algorithms in JAVA of Board Infinity   May 2024- July 2024
- Python of CipherSchools   October 2022- January 2023
- Web design (HTML, CSS) of CipherSchools   November 2022- January 2023

Achievements

- Level 1 E-Commerce & Tech Quiz of the Flipkart GRiD 6.0- Software Development Track
- Solved 128 problems on LeetCode. Leetcode link: https://leetcode.com/u/dark_noob/
- Solved 51 problems on GeeksforGeeks. gfg link: https://www.geeksforgeeks.org/user/ashmitg4k1o/

Education

- Lovely Professional University   Punjab, India
  Bachelor of technology in Computer Science Engineering (CGPA: 6.77)   September 2022- May 2026
- Central Academy- Dadabari   Rajasthan, India
  Intermediate (Percent: 80.2)   April 2019– June 2021
- Little Flower School- Rapti Nagar   Uttar Pradesh, India
  Matriculation (Percent: 94)   April 2018– March 2019