Arpita Khobragade

☎ +91-7666997285   ✉ arpitakhobragade2308@gmail.com   ⚲ Nagpur, India   ⚫ LinkedIn   ⚫ GitHub

Education

- **Indian Institute of Technology, Mandi**   2023-2027
  Bachelor of Technology - **Data Science and Engineering**
  Relevant Courses: Data Structures and Algorithms, Linear Algebra, Mathematical Foundations of Data Science, Data Science 3, Design Of Algorithm, Probability and Statistics

- **School of Scholars**
  Class XII - Percentage: 83.2% (2022)

- **St.Peters School**
  Class X - Percentage: 91.6% (2020)

Projects

- **CauliCare – Cauliflower Disease Detection**   GITHUB CODE LINK   WEBSITE WORKING
  - Developed a CNN-based image classification model to predict cauliflower diseases from leaf images.
  - Preprocessed the dataset with image augmentation techniques to improve model robustness.
  - Achieved significant accuracy by fine-tuning hyperparameters and utilizing data normalization techniques. Deployed the model on a web platform using Flask for real-time predictions and user interaction.

- **WearNet**   GITHUB CODE LINK
  - Built a deep learning model to classify handwritten digits from the MNIST dataset using TensorFlow and Keras.
  - Preprocessed the dataset, normalized the pixel values, and implemented a Convolutional Neural Network (CNN) for image recognition.
  - Achieved high accuracy through model training and evaluation using accuracy metrics. Utilized TensorFlow's high-level API for efficient model building, training, and testing, with performance optimization techniques like dropout and batch normalization.

- **CashBot**   GITHUB CODE LINK
  - Developed a Currency Converter Chatbot using Flask, Python, Requests, Matplotlib, and the Free Currency Converter API for real-time conversion, historical data visualization, and seamless user interaction.
  - Integrated the Free Currency Converter API for live data and used Matplotlib to generate weekly exchange rate graphs dynamically.
  - Ensured robust error handling and optimized API requests for reliability and performance. Focused on secure API key management and deployed a user-friendly interface for seamless interactions.

Skills Summary

- **Programming Languages**:   C++, Python, HTML, CSS, JavaScript
- **Frameworks and Databases**: Flask, MongoDB, Node.js, Express.js, Flutter, Machine Learning (TensorFlow and Keras), MySQL, React.Js
- **Relevant Libraries and Tools**: Pandas, Matplotlib, NumPy, Bootstrap, Git, BeautifulSoup, OpenCV, PyTorch

Achievements

- **Got Selected For The Second Round Of Smart India Hackathon**   2024
- **Participated in Krackhack and Frosthack conducted by Google Developers Group, IIT Mandi**   2023
- **Awarded Academic Topper Award for exceptional academic performance**   2018

Positions of Responsibility

- **Member of Publicity Team,Miraz,IIT Mandi**   2023
- **Member of National Service Scheme,IIT Mandi**   2023
- **Vice School Pupil Leader**   2018