Prabhanshukamal Ahirwar

📞 +91 9691848220 ✉ prabhanshu2108@gmail.com ⭘ https://github.com/Prabhanshukamal21

Technical Skills

Languages and Databases: Python, R, C/C++, SQL
Visualization Tools: Tableau, Power BI, Matplotlib, Seaborn
Other Skills: Advanced Excel, Business Analysis, Customer Acquisition
Frontend & Backend: HTML5, CSS3, javascript, ReactJs, Tailwind CSS, Bootstrap and Node js, Express
Frameworks: pandas, numpy, scikit-learn, matplotlib, seaborn, tensorflow, pytorch
AI/ML Model: CNN, ANN, RNN, LSTM, YOLO, Transformers and Pre-trained model, LLM's

Personal Projects

Biometric Automated Attendance System | *Live Attendance System*   **Oct 2023 - Feb 2024**

- It is a Python application using kivi app we can build the web application. In this attendance system we captures the real time face expression, movement, eye blink to mention attendance and to prevent from any Froud and Proxy attendance. Our system provides three steps verification for attendance in which first we scan the id prove and second we ensure the eye blink count atleast three times and at the last and final we use Fingerprint verification.

TSR: Traffic Sign Recognition System | *Real-time Traffic Sign Recognition*   **March 2024 - June 2024**

- It is an Automated Deep Neural Network Based Model to Recognize Traffic Sign in the Context of Indian Scenario. Our Traffic Sign Recognition System (TSR) uses a Convolutional Neural Network (CNN) which is used for Image Processing. Preprocessed datasets with Pandas and NumPy, achieving 98% accuracy. Visualized performance metrics with Matplotlib and Seaborn. Developed deep learning model in Python using TensorFlow and scikit-learn.

CFM: College Fees Management System |*Secure, User Authentication, Real-time Operations, notification*   **Sept 2024 - Oct 2024**

- By using R programming we developed a college fee management system, by using shiny we also build a graphical user interface in which we can interact easily, we also use a SQL database library which provides a facility of database which can be useful to store students fee data.
- By using CFM system we can easily retrieve the students fee information and can easily generates fees recipt.

Local-Command-Line-Chatbot-using-Hugging-Face |*AI Chatbot*   **May 2025 - June 2025**

- It is an AI chatbot which is build using hugging face, This is a fully functional local chatbot It maintains short-term memory to handle multi-turn conversations, and uses a sliding window to retain context.

Awards & Achievements

IIT Bombay | *Spoken Tutorial Project*   **Nov 2022 – Nov 2022**

- Participated in the Spoken Tutorial Project by IIT Bombay, enhancing proficiency in technical tools and programming languages through self-paced learning modules. Gained certification in key areas, improving practical knowledge and technical skills.

Vocational Training | *Web Designing (HTML/CSS/JS/Bootstrap)*   **April 2023 - May 2023**

- Completed training in web designing, focusing on HTML, CSS, JavaScript, and Bootstrap. Gained practical experience in creating responsive, user-friendly websites and developed projects demonstrating front-end development skills.

IIT Jodhpur | *Cyber Security*   **Oct 2023 – Jan 2024**

- Completed specialized training in Cyber Security at IIT Jodhpur, gaining in-depth knowledge of network security, ethical hacking, and data protection techniques. Acquired practical skills in identifying vulnerabilities, mitigating threats, and ensuring system integrity.

ISRO/IIRS | *Geodata Processing using Python and Machine Learning*   **Feb 2025 – Feb 2025**

- Geodata Processing using Python and Machine Learning
  Successfully completed a 9-hour online course conducted by IIRS (February 2025), gaining expertise in processing geospatial data using Python and machine learning techniques.

Education

Sahodra Rai Govt. Polytechnic College   **Aug 2021 – Sep 2024**
Diploma in Computer Science & Engineering   (7.94 CGPA)   *Sagar, MP*

Madhav Institute of Technology & Engineering College   **Aug 2024 – Sep 2027**
B.tech in Computer Science & Engineering   *Gwalior, MP*