

Shreya Asthana

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Projects

Social Media WebApp – MaitriLok | [Github Link](#)

- Developed a social media platform with posts, likes, comments, feeds, real-time chat, and follow system in a team of 4.
- Assigned to implement the Follow/Unfollow feature and enhance chat between connected users.
- Built the follow/unfollow logic using React, Node.js, and MongoDB; integrated Socket.io for real-time messaging.
- Improved chat functionality by fetching follower/following lists to enable message exchange only between connected users.

Recipe Finder WebApp | [Github Link](#)

- Developed a web application using React.js to help users discover delicious recipes based on their preferred ingredients or dish names.
- Designed and implemented a user-friendly interface for easy recipe search.
- Integrated a recipe API to fetch and display from a diverse collection of over 2 million recipes.

Resume-reviewer— AI-Powered Resume Evaluator | [Github Link](#)

- Engineered a React.js frontend for PDF upload, job description input, and dynamic result rendering using useState, conditional rendering, and Axios for API calls.
- Built a Flask backend to process resumes with pdfplumber, securely integrate Gemini AI via dotenv, and generate AI-powered evaluation responses.
- Implemented logic for ATS score computation, section-wise matching, and professional HR insights using LLMs.
- Designed a clean, responsive UI with a soft pastel theme for seamless user experience.

Diabetes Risk Prediction for female | [Github Link](#)

- Engineered a Machine Learning model to predict diabetes risk using a dataset of 769 records and 8 features.
- Trained a diabetes prediction model with 89.73% accuracy using scikit-learn, saved in joblib format.
- Integrated the model into a Flask web app with routes to accept user input, scale data using pre-saved scaler, and return predictions.
- Implemented input validation, error handling, and used flash() for user feedback.
- Fetched training and testing data using an internal module (ml/trainer.py) for clean separation of logic.
- Used render_template() to display prediction results dynamically on the frontend.

Technical Skills

- Frontend: HTML, CSS (Tailwind CSS), React.js
- Backend / Frameworks: Flask
- Databases: MySQL, MongoDB
- Programming Languages: Java, Python

Education

VIT Bhopal University, Sehore, Madhya Pradesh - B. Tech.	2022-2026
Computer Science and Engineering, Specialization in Artificial Intelligence and Machine Learning Cumulative GPA: 9.07/10	
Aviraj World School, Rewari, Haryana - 12th Standard	2021-2022
Percentage: 92.34%	
Euro International School, Rewari, Haryana - 10th Standard	2019-2020
Percentage: 94.83%	

Certifications & Training

Google Cloud Digital Leader (Google Cloud, 2024-2027), Web Development Fundamentals (IBM SkillsBuild), MongoDB Node.js Developer path (MongoDB), Full Stack Developer MERN (SmartBridge), Python (Basic) & SQL (Basic) (HackerRank), EFSET English Certificate (C1).

Technical Engagements

- Solved 300+ DSA problems across LeetCode, HackerRank, and GeeksforGeeks.
- Earned 5-star badges in Java, SQL, and Python on HackerRank.
- Participated in Solvit Hackathon 2025, showcasing problem-solving and collaboration skills.