Shreya Asthana

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Experience

SDE Intern | Epilepto Systems **June,2025-Present**

- Contributing in various GenAI and Web Development Tasks using Python and MERN stack
- Assisting in building AI-driven features

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:** Python, Java
- **Tools & Platforms:** Git, GitHub, VS Code

Education

VIT Bhopal University, Sehore, Madhya Pradesh - B. Tech. **2022-2026**
Computer Science and Engineering, Specialization in Artificial Intelligence and Machine Learning
Cumulative GPA: 9.06/10

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), IBM Data Fundamentals (IBM Skills Build), AI Primer Certification (Infosys SpringBoard), Data Science with Python (iamneo), Introducing Generative AI with AWS (Udacity), Applied Machine learning in python (Coursera), Python Essentials (Vityarthi)