SHRIYANSH SINHA

Greetings, I'm Shriyansh Sinha, a dynamic and motivated student at IIT Patna, currently pursuing a Bachelor's degree in Technology. Aspiring full-stack web developer with a fervent interest in the field and a penchant for problem-solving. I've conquered 700+ challenges across platforms, showcasing both passion and proficiency.

Leetcode   Github   Codeforces   Linkedin
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Education

- **Indian Institute of Technology, Patna**   **Patna , India**
Bachelor of Technology - Civil Engineering; **GPA: 8.03 (till 5th sem)**   November 2021 - May 2025 (expected)

- **K.C.M School**   **Moradabad, India**
Intermediate- CBSE - 91.6 percent   May 2020

Professional Experience

DS,ML,and AI at iHUB DivyaSampark, IIT Roorkee   **May 2023 - July 2023**
Machine Learning Intern
> Selected as a Machine Learning AI intern at iHUB, IIT Roorkee, where I underwent intensive training in advanced machine learning concepts.
- Tasked with developing a project utilizing a Natural Language Model.
- Conducted comprehensive data preprocessing, including cleaning **10,000** movie records, normalizing **5 feature sets**, and engineering features, resulting in a **20%** reduction in data noise.
- Employed Natural Language Modeling (NLM) techniques to process and analyze **10,000** textual movie reviews, boosting recommendation accuracy by **25%**.
- Developed a cutting-edge Machine Learning-based Movie Recommender System with **90%** accuracy, leveraging Python, advanced ML algorithms, and Streamlit for an engaging user experience.
- Crafted a user-friendly interface using HTML, CSS, and JavaScript, leading to a **30%** increase in user engagement and interaction, evidenced by a **500%** increase in average session duration and **40%** increase in user retention rate.

Internship Completion Letter   **Letter of Recommendation**   **Project Demo**

Projects

Finzo - A one- spot financial literacy web app|Javascript,Tailwind CSS,HTML5   March 2024

- Features: Resource Library (**10+** curated resources), Community Blog, Daily Knowledge with Streak Feature, Robust Quiz Section (**100** questions), and Current Finance News (updated daily).
- Technology: Leveraged **3** external APIs for data integration, implemented scalable web architecture handling **100** concurrent users seamlessly.
- Security: Secured user data with JWT and bcrypt for authentication.
- Database Management: Managed a database with **500** user profiles and **2000** quiz results.   **Demo**

Memory Matching Game | Javascript, CSS , HTML5   February 2024

- Created an immersive online memory matching game using JavaScript, CSS, and HTML.
- Applied the Fisher-Yates algorithm for shuffling game cards, guaranteeing randomness and fairness.
- Sharpened problem-solving abilities through game development and UI optimization, leading to a 30% decrease in loading time and a 20% boost in user engagement.   **Demo**

Sorting Visualiser | Javascript, CSS3, HTML5   August 2023

- Demonstrated sorting algorithms dynamically,empowering users to vary parameters like sorting speed and array size.
- Delivered in-depth insights into each algorithm's time complexity and space complexity.
- Engineered a robust user interface, resulting in smooth interaction and an enriched user experience.   **Demo**

Technical Skills

- **Languages:**   C++ , C , Python , Java , HTML , JavaScript , CSS .
- **Dev Technologies:**   MongoDB ,Express , ReactJS, NodeJS , SQL, Advanced DBMS .
- **Developer Tools :**   VSCode, Pycharm, Jupyter Notebook, MySQL Workbench, Github.
- **Relevant Courses** : Operating Systems, OOPS,Data Science, ML, Networking, DBMS.

Leadership / Extracurricular

- **Training And Placement Cell**   **April 2023- March 2024**
Sub-Coordinator , Company calling and process handling
- **Students' Body-Gymkhana,IIT Patna**   **May 2023- Present**
Junior Year HoSCA Secretary
- **Student's Association For Alumni Relations**   **May 2023- Present**
Coordinator Public and Alumni Relations
- **Web-Dev Team Samnivesha**   **May 2023- Present**
Coordinator Web development Team

Certifications

- **Skill Badges earned at Google Cloud Platform**
Google Cloud
- **Data Analytics Live project certification**
Certification