Shivansh Rajdehl

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 Github | in LinkedIn
PortFolio

Education

Delhi Technological University, Delhi   CGPA: 8.58
B.Tech (Mathematics and Computing Engineering), Expected 2026   (Till 4th semester)

Skills

Expertise Area:	Object Oriented Programming, Web Development, DSA, Statistical Machine Learning, MySQL, React, Excel, FastAPI, Django REST Framework
Programming Languages:	Python, HTML, CSS, JavaScript, Java, C++, MATLAB
Tools and Technologies:	TORA, Git, GitHub, jQuery, AJAX, NumPy, Matplotlib, Seaborn, Pandas, OpenCV, MATLAB, Overleaf, Bootstrap, Choreo
Technical Electives:	MATLAB, SPSS, TORA (Tool for Operations Research Applications)

Work Experience

Outlier (Freelance)   (Jan 2025 – Present)
Design and optimize AI-generated prompts to improve response quality and relevance.
Analyze and refine AI model outputs to ensure accuracy, coherence, and contextual alignment.

Projects

1. **NetVision: Netflix UI Clone with Integrated ML Recommendations**
   - **Objective:** Built a Netflix UI clone with an integrated machine learning recommendation system that leverages user watch history to provide personalized suggestions, enhancing user engagement. The ML model applies content-based filtering to provide accurate recommendations.
   - **Technologies and Tools:** Utilized Django for backend logic and API creation, React for building the front-end interface, Scikit-Learn for machine learning algorithms, and PostgreSQL for database management. The project implements advanced CSS for styling and a dynamic user interface. GitHub
2. **SMA Strategy Analysis with Backtesting**
   - **Objective:** Built an API using FastAPI to analyze stock market trends with the Simple Moving Average (SMA) strategy. It allows users to fetch historical stock data, compute SMAs, visualize trends with overlays, generate buy/sell signals from crossovers, and backtest strategies with trailing stop-loss functionality.
   - **Technologies and Tools:** FastAPI for the backend, Pandas and NumPy for data manipulation, Matplotlib and Seaborn for visualization, and yfinance for fetching stock data. GitHub
3. **dQuora: Interactive Q&A Platform**
   - **Objective:** Developed a user-driven Q&A platform where individuals can post queries, answer questions, and engage in discussions. The platform allows multimedia integration in posts, such as images. Real-time chat features enable users to collaborate instantly, fostering a vibrant online community.
   - **Technologies and Tools:** Implemented using Django for server-side logic, MySQL for relational database management, and JavaScript for adding interactive functionality. Styled with CSS and structured using HTML. The platform incorporates real-time updates using WebSocket for chat functionality. GitHub

Awards and Achievements

- 300+ questions solved on HackerRank, LeetCode, CodeChef
- Achieved 98 percentile in JEE Mains
- Two-time Gold Medalist in the Mathematics Olympiad