Aman Sharma

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WORK EXPERIENCE

➢ **Web Design Intern at fastrBuild**   July 2023 - October 2023
- Converted Figma designs into engaging web pages using Webflow.
- Gained experience in responsive design to ensure web pages function seamlessly on various devices.
- Enhanced proficiency in UI Design, CSS, and modern web development practices.

PROJECTS

➢ **Urban Mobility & Route Optimization (Map Explorer)** | **MongoDB, Express.js, Node.js, HTML, CSS, JavaScript, Python** || Link
- Developed a web-based application to optimize route planning for delivery vehicles.
- Utilized a genetic algorithm for route optimization and incorporated weather data via Weatherstack API.
- Designed an interactive map interface using Leaflet and OpenStreetMap API.
- Built backend services with Node.js and Express.js to handle data retrieval and clustering using Python scripts.
- Enabled features such as route sharing, recent route history, user location check, and vehicle management.

➢ **Stock Market Trend Prediction** || **Python, Pandas, NumPy, Scikit-learn, Matplotlib** || Link
- Developed a **Random Forest classifier** to predict stock market movement based on news headlines.
- Utilized a **news headlines dataset** and preprocessed textual data using **Pandas** and **NumPy**.
- Extracted features using **CountVectorizer (bigram)** and trained the model with **200 decision trees (entropy criterion), achieving 86.77% accuracy**.

Skills

Languages ➢ C++, Javascript, Python.

Framework and libraries ➢ React, Express, Tailwind CSS, Bootstrap.

Databases ➢ MongoDB, Postgres(Beginner).

Tools ➢ VsCode, Postman, Git, Github, Vercel.

Education

Manipal University, Jaipur   **2022-26**

Bachelors of Technology in Data Science and Engineering