Jainam Shah

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PROJECTS

INTELLIBROWSE | AI-Driven Autonomous Web Browser (DevLUp Labs, IIT Jodhpur)
June 2025 -- Present

- **IntelliBrowse** is an AI-driven browser that transforms natural-language queries into complete web tasks, enabling autonomous browsing and interaction.
- Built an LLM-powered intent parser that translates user goals into structured commands executed via Playwright automation.
- Designed a **Next.js** dashboard with real-time progress tracking, visual task replay, and error debugging interface.
- Used **CrewAI** to create agentic AI workflows — enabling collaborative task execution among specialized browser and data.
- Currently integrating **MCP (Model Context Protocol) tools** to enhance interoperability between agents and external data systems, improving contextual awareness and extensibility.
- **Tech Stack:** FastAPI, PostgreSQL, React, Next.js, CrewAI, Playwright, WebSockets, Docker.
- GitHub: github.com/devlup-labs/Intelligent-Browser

TRAVEL PLANNER | Location-Based Travel Suggestion Web App
Apr 2025 -- Present

- A personal full-stack application designed to help travelers explore destinations, attractions, and travel routes across India.
- Implements dynamic city search with integrated APIs to fetch attractions, weather, and transportation (train/flight) options.
- Features a responsive, map-based UI with Tailwind CSS and server-side rendering via Next.js App Router.
- Added caching and API throttling to improve load speed by 40% and minimize redundant network requests.
- Future plans include itinerary generation using LLM summarization and Google Maps integration.
- **Tech Stack:** Next.js, TypeScript, Tailwind CSS, Node.js, Express.js, Docker, Vercel, Render.
- GitHub: github.com/Jainam-not-a-robot/Travel-Planner
- Website: https://travel-planner-web.vercel.app

ML ALGORITHMS IN C | ICS Major Project — Spring 2025
Feb 2025 -- Mar 2025

- Part of a 5-member academic project aimed at implementing core machine learning algorithms from scratch in pure C.
- Implemented Linear Regression, Logistic Regression, Softmax Regression, K-Nearest Neighbors, and Min-Max Normalization without external libraries.
- Personally developed Softmax Regression and integrated GNUPLOT for 2D visualization of model performance.
- Focused on algorithm optimization, memory efficiency, and modular design for reusable ML components.
- Benchmarked algorithm performance on custom datasets and visualized convergence trends graphically.
- **Tech Stack:** C, GNUPLOT, Linux CLI.
- GitHub: github.com/Jainam-not-a-robot/ICS_Major_Project

EDUCATION

IIT JODHPUR
B.Tech in Computer Science and Engineering
Expected 2028
CGPA: 8.85 / 10 (Till 2nd Semester)

RELEVANT COURSEWORK

- Introduction to Computer Science
- Data Structures
- Algorithms
- Maths for Computation
- Probability, Statistics and Stochastic Processes

ACHIEVEMENTS

- JEE Advanced 2024: AIR **2665**
- JEE Mains 2024: AIR **471**

SKILLS

PROGRAMMING

C, C++, Python, JavaScript, TypeScript, Java, HTML, CSS, SQL, Dart

FRAMEWORKS/TOOLS

React.js, Next.js, Node.js, Express.js, FastAPI, CrewAI, Playwright, Tailwind CSS, Flutter

TECHNOLOGIES

Git, Linux (Ubuntu CLI), PostgreSQL, SQLite, REST APIs, Docker, Render, Vercel, VS Code

LINKS

GitHub: Jainam-not-a-robot
LinkedIn: jainam-shah29
LeetCode: Jainam-not-a-robot
Codeforces: Jainam_29