MANYA MANGLA

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EDUCATION

Bachelor of Technology
New Delhi
- Maharaja Agrasen Institute Of Technology
- Branch: Information Technology
- CGPA:9.141

Senior Secondary
Palwal, Haryana
- Dharam Public School , Palwal
- Percentage: 95.6

Secondary
Palwal, Haryana
- Dharam Public School , Palwal
- Percentage: 97

SKILLS

Frontend: HTML, CSS, JavaScript
Backend: Node.js,Express.js
Databases: MySQL, Firebase, MongoDB
Programming Languages: C++, JavaScript , Python, Java

Frameworks & Libraries: ReactJS, TailwindCSS
Tools & Platforms: Git, GitHub, VS Code, Canva
Other Skills: Problem-Solving, Data Structures & Algorithms (DSA)

EXPERIENCE

Frontend-Development Intern
Cognifyz Technologies [June2024-July 2024]
- -Developed "Haven Craft," a furniture-focused website with seamless CSS and intuitive UI/UX.
- -Created a homepage, product listings, and detailed company info pages.
- -Integrated user authentication using Firebase API (sign-up/sign-in).
- -Implemented input validation for enhanced security.

PROJECTS

AQI Prediction using Machine Learning
- Built and evaluated ML models to forecast Air Quality Index using historical pollutant data.
- Achieved best performance with XGBoost (R^2 = 0.944, MAE = 17.95).
- Analyzed feature importance and seasonal trends; identified PM2.5 and PM10 as key contributors.
- Derived insights into pollution patterns to aid environmental forecasting.

HavenCraft: Precision Craft for your Ideal Space
- Created a responsive furniture-focused website with smooth UX and clean layout.
- Built core pages and integrated Firebase authentication (sign-up/sign-in).
- Ensured secure data entry through input validation.

Programming Contest: Website design for Journal
- Led a team in designing and developing a frontend website for the college journal, providing a digital platform for students and faculty to access and contribute to scholarly articles, research papers. and creative works.
- Implemented an interactive UI with smooth animations and a user-friendly layout.

ACHIEVEMENTS / CERTIFICATIONS

- Finalist for Internal Hackathon **SIH'2024**
- Qualified Round2 of Programming Contest: Website design for Journal.
- **Career Essentials in Generative AI** – Microsoft & LinkedIn.
- NPTEL Machine Learning Course - Elite Badge
- Coordinator at **National Service Scheme** MAIT.
- Topped in IT branch in 3rd semester.