MANYA MANGLA
B.Tech. - Information Technology
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BRIEF SUMMARY

I'm a 3rd-year BTech (IT) student with a keen interest in problem solving and web development. I enjoy exploring how technology can be used to build simple and effective solutions. My goal is to become a software developer and work on user-friendly applications. Alongside academics, I actively take part in social initiatives to contribute in small ways to the community.

KEY EXPERTISE

Problem Solving   Machine Learning   Web Development   Data Structures

EDUCATION

Maharaja Agrasen Institute of Technology   2022 - 2026
B.Tech. - Information Technology | Percentage: **91.38 / 100**

Dharam Public School,Palwal, Palwal   2021
12th | CBSE | Percentage: **95.60 / 100**

Dharam Public School,Palwal, Palwal   2019
10th | CBSE | Percentage: **97.50 / 100**

INTERNSHIPS

Cognifyz | IT / Computers - Software   07 Jul, 2024 - 08 Aug, 2024
Front-end Web Developer

Key Skills: CSS   Javascript   HTML5   API

-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   05 Apr, 2025 - 15 May, 2025
Mentor: Mrs. Tejna Khosla | Team Size: 1

Key Skills: Python   Scikit-learn   XGBoost   Pandas   Matplotlib

Built and evaluated multiple ML models to forecast Air Quality Index based on historical pollutant data. XGBoost outperformed with high accuracy (R^2 = 0.944, MAE = 17.95). Conducted feature importance and seasonal trend analysis, identifying PM2.5 and PM10 as key contributors. Enhanced understanding of pollution patterns to support environmental forecasting.

HavenCraft: Precision Craft for your Ideal Space   12 Jun, 2024 - 07 Jul, 2024
Mentor: Mr. Sahil Lambat | Team Size: 1

Key Skills: HTML5   CSS   Javascript   API   Firebase

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

Website Design for Journal   11 Mar, 2024 - 13 Mar, 2024
Team Size: 4

Key Skills: HTML5   CSS   Javascript

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.
Utilized HTML, CSS, and JavaScript to build responsive and user-friendly web pages, optimizing
the interface for various devices and screen sizes

ACHIEVEMENTS

- Finalist SIH'24
- Elite Badge - Machine Learning Course NPTEL
- Successfully Completed "Generative AI" Course from LinkedIn Learning Community
- Topped IT branch in 3rd Semester

CO-CURRICULAR ACTIVITIES

- Attended Workshop on "Engineering Solutions for Sustainable Development" at Network Bulls, Gurugram

EXTRA CURRICULAR ACTIVITIES

- Worked for various Social Initiatives through NSS

WEB LINKS

- Github - https://github.com/Manya-Mangla

PERSONAL DETAILS

Gender: Female
Marital Status: Single
Current Address: 218, Pocket-5, Sector-22, Rohini, North West Delhi, Delhi, India - 110086

Date of Birth: 24 Oct, 2003
Known Languages: English, Hindi
Permanent Address: Old Grain Market, Near Committee Chowk, Palwal, Haryana, India - 111202
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