NISHANT SINGH

Gali No.-8, Surender Colony-II, Jharoda Majra, Burari, New Delhi-110084 || 8512883620

GITHUB:- https://github.com/nishant1199816 || E-MAIL (ns1199816@gmail.com)

EDUCATION

B.Tech.	2021-2025	Netaji Subhash University of Tech.	6.65 CGPA
CBSE (Class XII)	2020	Govt. Boys Sr. Sec. School, Mukherjee Nagar	70.6%
CBSE (Class X)	2017	Sarvodaya Vidyalaya Kingsway Camp	8.2 CGPA

INTERNSHIPS

Front-End Engineering Intern, The Team Computers, Bhikaji Cama Palace   June-24 to Aug-24

- Built real-world, responsive web applications using React.js, Firebase, HTML, and CSS, ensuring high performance and cross-platform compatibility.
- Designed and implemented dynamic card components and interactive features using JavaScript, significantly improving user engagement and interface responsiveness.
- I worked on various front-end technologies, including HTML, CSS, and JavaScript, to create visually appealing designs and optimize application workflows for better usability.

ACADEMIC PROJECTS

Water Stress Level Analysis and Trend Detection

- **Performed K-Means clustering on multi-dimensional water efficiency and water stress indicators** to categorize countries into meaningful groups based on their water resource management profiles.
- **Applied unsupervised learning techniques to segment years and countries** with similar trends in GDP, population, rainfall index, and agricultural water withdrawal %, enabling comparative analysis for SDG 6.4 goals.
- **Utilized clustering to identify high-risk water stress zones**, helping inform policy suggestions for improved water use efficiency in the agriculture and industrial sectors.

AYURBOT: EMPOWERING SKIN WELLNESS

- Tech Stack:- NLP, LLMs (Llama model), Pinecone cloud database
- Developed an AI-powered chatbot serving 150+ college students and local residents, providing instant access to Ayurvedic treatments for skin diseases.

SHOE WEBSITE

- **Custom Design and User Experience:**
  Designed and developed a visually appealing shoe store website with smooth navigation and responsiveness, ensuring a seamless user experience on both mobile and desktop devices.
- **Deployment and Hosting:** Successfully deployed the website on GitHub Pages (https://nishant1199816.github.io/shoes/), showcasing proficiency in web hosting and version control using Git

ACADEMIC ACHIEVEMENTS AND AWARDS

- Winner of Mathematical and Science quiz awards in school.
- Secured AIR-427 in Code Combat 2.0 (Coding Ninjas): Solved top rating questions with the peak accuracy among my competitors. Secured 1243th place out of 30000+ participants.

POSITIONS OF RESPONSIBILITY

Vice President of Canvas Society in College:

- Managed several events held in various occasions.
- Ensured smooth functioning of the competitions.

Managed chemistry and physics laboratories in school as **Lab Assistant**.

TECHNICAL SKILLS

- **Core Domains:** Data Structures and Algorithms, Big Data Analytics, Data Science, Object-Oriented Programming, Database Management Systems, Operating Systems, Artificial Intelligence, Machine Learning, Cloud Computing, Computer Architecture and Organization, Principle of Compiler Construction
- **Databases:** MySQL, MongoDB
- **Programming Languages** : Java, C, Python, HTML, CSS, JavaScript, SQL
- **Animation Software**: Blender Software for Animation
- **Version Control**: Git, GitHub