AVNI BHARDWAJ

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Education

Narsee Monjee Institute of Management and Studies, Indore, India   **2022 - 2026**
Branch : Computer Engineering| CGPA: **3.11**
(expected)

The Millennium School, India   **2020 - 2022**
- *AISSCE (Class XII), Aggregate:85%*

Queens Valley School, New Delhi, India   **2008 - 2020**
- *AISSE (Class X), Aggregate: 91%*

Skills

C++ | Java | Python | JavaScript | NodeJS | React | MySQL | R Language |Power BI| Github

Projects

Advanced CCTV analysis for crime detection   **Aug'23**
A Dynamic web application used for detecting murders, accidents , crimes using live CCTV feed and alerting nearby police stations
- Developed frontend using HTML, CSS, JavaScript, and Streamlit.
- Praised by AICTE, MHRD, and government bodies.

Unmanned Underwater Vehicle- Techinnovation, IIT Kanpur   **Mar'23**
Designed a cost-efficient hardware model to autonomously collect data from the depths of the ocean
- Made a working prototype based on **Archimedes' principle**, utilizing **brine water electrolysis** for depth control
- Worked on **AutoCAD/ tinkercad** prototype development, gas evolution calculations, pressure analysis, battery specifications, and material study.
- Applied critical thinking to recommend '**Acrylic' (PolyMethyl Methacrylate)** due to its optical clarity, UV stability, and strength, aligning with project objectives

Budget Buddy   **Feb'24**
An innovative finance management to monitor expenses, categorize transactions, and visualize spending patterns
- Developed with **Flutter** for seamless cross-platform compatibility and **Firebase** for robust backend support
- Users have the flexibility to customize categories, set spending limits, offering users actionable insights into their financial health, spending trends, and areas for improvement.

Spotify Clone Project   **July'23**
*Designed and implemented a Spotify clone project, showcasing proficiency in web development and design using **HTML** and **CSS***
- Strengthened skills in version control and collaborative development through the use of Git
- Replicated key features of the Spotify platform, including a responsive user interface and interactive music playback controls

Phone Book   **Oct'23**
*Developed a comprehensive phone book project using interactive frontend of **React** and **Bootstrap** and backend of **C++** that leveraged the functionality of a stack data structure*
- Implemented stack operations to manage and organize contact information efficiently
- Incorporated features such as contact addition, deletion, and search functionality for an enhanced user experience

Academic and Extracurricular Achievements

- **Kavach Hackathon** (All India Cyber Security Hackathon' 23) **Runner Up** team among 2500 teams for advanced CCTV analysis enabling the detection of theft, crime, and burglary incidents
- **Top 5** in **Techinnovation, Techkriti - IIT Kanpur** for developing a chemically operated unmanned underwater vehicle
- **Top 10** in **Execute Hackathon** focused on leveraging TensorFlow, OpenCV

Positions of Responsibility

Google Developer Student Clubs | Lead   **July' 23 - Present**
- As the **GDSC Lead**, I am playing a pivotal role in fostering a vibrant community of like-minded students passionate about technology and innovation and making the students technically sound.
- Achieved **Tier 1 rank** of college by helping students with learning **Google Cloud computing course.**

Turing Club, Member- NMIMS, Indore   **Apr' 22 - July' 23**

- **Led** the Creative team and designed varied posters, promotional content for the club, and various social media promotional posts.