**AVNI BHARDWAJ**

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**Education**

**Narsee Monjee Institute of Management and Studies, Indore, India**  **2022 - 2026**

Branch : Computer Engineering| CGPA: **3.08** [on 4 grade scale]

**Skills**

C++ | Java | Python | JavaScript | NodeJS | React JS| MySQL | R Language | Github| Linux

**Internship Experience [**[**Link**](https://drive.google.com/file/d/12i-mYgUl7od7ozx3__jGITPaA3hNM4iH/view?usp=sharing)**]**

**Hiteshi Infotech| HTML, CSS, JAVASCRIPT, REACT , NODEJS June’24- July’24**

Software Developer Intern

* Collaborated with senior developers to enhance web application functionality, resulting in a 15% improvement in load times and user experience.
* Made working projects using React JS and Javascript.
* Improved proficiency in React JS and web development & Gained experience in game logic and performance metrics

**Projects**

**Chat Application (Android Studio - Java) Nov’ 24**

*Developed a real-time chat application with Firebase Realtime Database for instant messaging and OTP based Firebase Authentication for secure login and signup of new accounts and numbers.*

* Enabled user search, profile management, and real-time notifications.
* Designed a responsive UI and optimized scalability for concurrent chats.
* Enhanced skills in Android development and Firebase integration.

**Speed Typing Keyboard Game June’ 24***Developed a speed typing keyboard game during my internship at Hiteshi Infotech which challenges users to type within a set time limit, tracking performance metrics.*

* **Engineered automated dynamic content generation** to produce unique paragraphs for each session, enhancing user experience and engagement.
* **Integrated a time limit feature** to elevate user challenge and interaction, including real-time metrics for correct and incorrect words per minute, as well as overall words per minute analysis.

**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 responsive web applications with HTML, CSS, and JavaScript; incorporated Streamlit to create dynamic dashboards, leading to a reduction of data query time by 25%
* Earned recognition from AICTE, MHRD, and government entities for leading initiatives that enhanced compliance and operational standards by 25%, setting new benchmarks in the industry

**Unmanned Underwater Vehicle- Techinnovation, IIT Kanpur Mar’23**

*Developed 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.
* Leveraged critical thinking to suggest 'Acrylic' (PolyMethyl Methacrylate) for its superior optical clarity, UV stability, and strength; this decision ensured project alignment and boosted material performance by 30%

**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**: Developed a chemically operated unmanned underwater vehicle.
* **Top 10 in Execute Hackathon**: Focused on leveraging TensorFlow and OpenCV.

**Positions of Responsibility**

**Google Developer Student Clubs | Lead**  **July’ 23 - Sept’ 24**

* 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 and Generative AI.**

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

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