DEEKSHA BHARDWAJ

Computer Science Engineering Student

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Education

Vellore Institute of Technology	**Bhopal**
B. Tech in Computer Science and Engineering (Health Informatics), 7.9 CGPA	*2022-2026*
Dhruva Public School	**New Delhi**
Class XII (PCB), 87.2%	*2021-2022*
Salwan Public School	**Gurugram**
Class X , 94.2 %	*2019-2020*

Academic Projects

Nursing Informatics brings E-learning Technology to Nursing.
- A web platform combining nursing education and informatics, featuring user authentication, medical data access, and interactive content (blogs, articles) to foster evidence-based practice and lifelong learning.
- Uses HTTP methods (GET, POST) for secure data handling. Key modules include user authentication, profile management, data processing, and personalized medical content display, built on a client-server architecture.
- Enhances healthcare delivery through secure access to personal health records, patient education, and personalized health insights, benefiting telemedicine, patient portals, and chronic disease management.

Exposure therapy using virtual reality to treat PTSD (Post traumatic stress disorder)
- Designed a VR therapy game for PTSD, combining cognitive-behavioral and exposure therapy in a safe, engaging virtual environment.
- Offers dynamic scenarios, biofeedback-based adaptation, interactive gameplay, and therapist customization.
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Chaupal (A Rural Empowerment Platform)
- Developed a unified digital platform named Chaupal to empower rural communities and Self-Help Groups (SHGs) through communication tools like chat, video conferencing, and resource sharing.
- Includes user authentication, group-based interaction, multilingual support, request-raising, donation, health/education access, and offline usability for low-connectivity areas.
- Built with ReactJS, Node.js, Express.js, and MongoDB; integrated with Stream Chat, Jitsi Meet, and Google Translate; deployed via Vercel/Netlify for easy mobile-first access.

Technical Skills

Languages: Java, Python(basics)
Developer Tools: JDK, Eclipse/IntelliJ IDEA, PyCharm, Git, Jupyter Notebook, MySQL, JDBC, Junit, Anaconda
Soft Skills: Leadership, Teamwork, Event Management, Creativity, Problem Solving, Database Handling

Certifications

Simulink Onramp: MathWorks
Bits and Bytes of Computer Networking : Coursera
Fairness and Trust in the Mathematical Modelling and Machine Learning Techniques
Python essentials : Vityarthi
Cyber Security Analyst : IBM
Gen AI : IBM

Co-curricular activities

Health-o-tech Club   **VIT Bhopal**
Event Management Team Core Member   *November 2024 - Present*
Core member of the Event Management team, responsible for coordinating and
executing events, ensuring smooth operations, and timely delivery.
Collaborated with team members to manage logistics, plan schedules, and oversee
event setups. Contributed to marketing efforts, helping promote events that
significantly increased participation and engagement.

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Edu-4-U Club   **VIT Bhopal**
Technical team Core Member   *January 2025 - Present*
Contributed to the development and maintenance of technical solutions for club
initiatives, including creating digital resources and assisting with online event platforms.
Worked closely with team members to implement tools that enhanced educational
outreach and participant engagement.