

# Hrishikesh Chandrashekhar Shiralaskar

Second Year Undergraduate, Computer Science & Engineering  
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Other Profiles: [Google Scholar](#) [Geeks for Geeks Portfolio](#)

## Education

B. Tech, Computer Science & Engineering, Datta Meghe University, Wardha	CGPA: 7.00	2023 – Present
Class 12, CBSE, Alphonsa Sr. Sec. School, Wardha	Aggregate: 76.4 %	2021 – 2023

## Projects

### Emotion-Based Music Recommendation System (Nov 2024 – Ongoing)

- Designed a real-time AI-powered music recommendation system that analyses user emotions using a camera-based deep learning model and suggests personalized playlists.
- Developed a custom-trained ML model that classifies emotions (happy, sad, neutral, etc.) and maps them to genre-based music preferences.
- Built a Stream lit-based web interface for users to log in, set music preferences, and receive AI-curated playlists based on detected emotions.

### Vital Care: Development of Health Monitoring System for Elderly People (May 2024 – Oct 2024)

- Developed an IoT-based wearable health monitoring system that tracks heart rate, temperature, pulse rate, and fall detection, providing real-time alerts for caregivers and medical personnel.
- Integrated sensor technology and AI-driven analytics to detect abnormal health patterns, reducing emergency response time and enhancing elder care.
- Built a user-friendly dashboard for caregivers to remotely monitor patient vitals, ensuring proactive healthcare management.

## Skills

Programming Skills:	Python, MySQL, C++, C, HTML, SQL, Java (Familiar)
Development Skills:	ML, DL, NLP, CP, DSA, OOP, Data Visualization, Gemini, Generative AI, Google AI Studio, Rest APIs, SDLC, Pytest, LLM, CI/CD
Data Science:	NumPy, Pandas, Seaborn, Matplotlib, Scikit-learn, Image Processing, Deep Learning, Pattern Recognition, Neural Network, Statistical Analysis, Data Mining, TensorFlow, PyTorch, NLTK, Keras, Transformers,
Platform:	GCP, Jupyter Notebook, GitHub, AWS, Power BI, Linux, Figma, Kaggle, SAS, Google Earth Engine, QGIS, Google Workspace

## Positions of Responsibility

- President, Student Council, Faculty of Engineering and Technology, DMIHER (June 2024 – Present), Leading and overseeing 18-19 student clubs, including GDG, IEEE, CSI, IETE, ISTE, C4GT, and Geeks for Geeks, with a total student engagement of 100-200 members. Responsible for fostering collaboration, organizing large-scale events, and driving technical and extracurricular initiatives.

## Achievements

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- Honoured with the Certificate of Appreciation for serving as the General Secretary, Core Committee, IGNITRA 3.0, an annual fest uniting six colleges (FEAT, DMCP, SAS, SAHS, SMCON, and FNTCN) of DMIHER through Cultural, Technical, Sports, Jolly, and social events. Led the successful organization and execution of IGNITRA 3.0, showcasing leadership, event management, and teamwork.

## Certifications

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- Python for Data Science, AI & Development -IBM
- Generative AI: Prompt Engineering Basics– IBM
- Medical Terminology-Rice University
- Data Analysis with Python- IBM