Mohit Sharma
Computer Science Major

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Education

Degree	Institute	CGPA/Percentage	Year
B.Tech. Major	IPS Academy, Institute of Engineering and Science	9.17 (Current)	2020-24
Senior Secondary	CBSE Board	75%	2019
Secondary	ICSE Board	91%	2017

Projects

Library Management System(Nov 2022-Dec 2022)

A comprehensive software solution to perform all the fundamental operations in a library.
- Designed and implemented a user-friendly interface using Java Swing components, including JFrames, resulting in a 30% increase in operational efficiency.
- Integrated an SQL database to store and manage information related to books, members, transactions, and inventory,resulting in a 50% improvement in data retrieval and storage efficiency.

Key Technologies used: **Java, Swing(including Jframes), and SQL.**

AURA- AI Voice Assistant (Jan 2023- Mar 2023)

A Voice Assistant with an emotion detection feature, trained with Artificial Intelligence and Deep learning.
- Designed voice recognition and natural language processing functionalities to enable seamless voice interactions and commands.
- Developed a detection feature using computer vision techniques with OpenCV, allowing the voice assistant to understand and respond based on the user's emotional state.
- Trained the AI models using deep learning algorithms to improve accuracy to 96% for facial emotion detection.

Key Technologies used: **Python, Open CV, TensorFlow/Keras**

YouTube Clone(Apr 2023- May-2023)

A clone of the most widely used platform for video sharing.
- Utilized Node.js to handle server-side logic, including video processing, user authentication, and API integrations.
- Used MongoDB as a robust solution in manage video metadata, user information, and user-generated content.
- Integrated features such as video playback, video recommendations, user comments, and likes/dislikes for a rich user experience.

Key Technologies used: **React, Node Js, and MongoDB**

Skills

Technical Skills
- Programming Languages: **Java,c/c++, Python**
- Frameworks: **React, Swing*, NodeJS***
- Others: **HTML & CSS, git, SQL, OpenCV*, Deep Learning**

Soft Skills
- Adaptive Problem Solving and Collaborative team player
- Strong, Adaptive and Resilient leadership
- Strong Analytical Thinker and Proactive Learner

*Elementary Proficiency

Position of Responsibility

- Member of the Editorial Board for college Magazine "Manthan"(Feb 2021- Nov 2022)
- Cultural club Head Coordinator(Jun 2021-Feb 2024)

Extracurricular

- Led and anchored "Swaranjali," the Annual College Function, reaching an audience of over 1000 attendees in May 2021 and February 2022.
- Hosted and managed "AKAM-Ek Bharat Shreshtha Bharat, Visit of Students to Paired States," coordinating a successful event with participation from 50 students from Manipur in August 2022.