

Mukul Mehra

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EDUCATION

Graphic Era Hill University

Bhimtal , Uttarakhand

Bachelor of Science (Information Technology) **CGPA: 8.51**

August 2020 - July 2023

Master of Computer Applications **SGPA: 8.3**

August 2023 - June 2025

PROFILE SUMMARY

Computer Science graduate with strong **programming, problem-solving, and competitive coding** skills. Proficient in **Java, C++, JavaScript, SQL**, and web technologies. Active on **LeetCode, CodeChef, and GeeksforGeeks** (top **15% globally**). Open to **any CS-based role** to apply my technical expertise.

ACADEMIC ACHEIVEMENTS

- Solved **750+ problems on LeetCode** and **250+ on GeeksforGeeks**, demonstrating strong problem-solving skills.
- Ranked in the **top 14% globally** in competitive coding contests. | [LEETCODE PROFILE](#) | [GEEKSFORGEEKS PROFILE](#) |

PROJECTS

Emotion-Based Playlist Generator | [\[GITHUB\]](#)

May 2025 – Present

Technology: Python, scikit-learn, Librosa, NumPy, Pandas, MFCC, Jupyter Notebook

Responsibilities:

- Built a voice-based emotion classifier using Random Forest without pretrained models.
- Collected and labeled custom audio data; extracted **MFCC** features with **librosa**.
- Trained and evaluated the model using **scikit-learn**; exported with **joblib**.
- Gained hands-on experience in audio processing and supervised ML.

Accessibility Analyzer | [\[GITHUB\]](#)

January 2025 – Feb 2025

Technology: React, Express.js, JavaScript, axe-core, HTMLHint, Tailwind CSS

Responsibilities:

- Developed a full-stack accessibility analyzer using React and Express.js.
- Integrated **axe-core** and **HTMLHint** to detect WCAG-related issues.
- Built **real-time analysis** features like live HTML preview, contrast checker, and keyboard navigation simulation.
- Designed a responsive UI with Tailwind CSS for unified, severity-labeled results.
- Planned integration of additional tools like **pa11y** and **Lighthouse**.

SKILLS

- Programming Languages:** C++, JavaScript, Python (Basic), HTML, CSS
- Frameworks & Libraries:** React.js, Node.js, Express.js, Bootstrap, scikit-learn, Librosa
- Databases:** MongoDB, MySQL
- Tools & Platforms:** Git, Android Studio, VS Code, Postman, Jupyter Notebook