# Harleen Kaur

B.TECH
Data Science And Engineering
National Institute Of Technology, Jalandhar

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## SUMMARY

B.Tech Data Science and Engineering student at NIT Jalandhar with strong skills in programming, data analytics, and web development. Experienced in building AI-driven applications and performing statistical analysis using Python and modern libraries. Dedicated to applying data science and technology to develop efficient, user-focused solutions in collaborative environments.

## EDUCATION

- **National Institute of Technology, Jalandhar**                    *2023-2027*
  *B.TECH, Data Science and Engineering*                    CGPA : 8.15
- **Triple M Public School, Hoshiarpur**                    *2021-2022*
  *Senior Secondary, PSEB*                    Percentage: 97.8
- **Guru Nanak Mission Public School, Bhogpur (Jalandhar)**                    *2019-2020*
  *Secondary, CBSE*                    Percentage: 94.2

## PROJECTS

- **Hear2See – Voice-Based Email System**                    *2025*

  *Developed a voice-controlled email web application to improve email accessibility for visually impaired users.*
  – Enabled users to compose, send, and read emails through voice commands.
  – Integrated IMAP and SMTP protocols to access inboxes and send emails without screen interaction.
  – Technologies used: HTML, CSS, JavaScript, Django, Python, SpeechRecognition, pyttsx3, smtplib, imaplib.

- **Echoes Of Emotions – Sentiment Analysis Web App**                    *2025*

  *Developed an NLP-powered web application to analyze customer feedback.*
  – Designed an interactive interface to classify feedback as positive, negative, or neutral.
  – Implemented NLTK's VADER for sentiment analysis and custom noun phrase extraction to summarize liked and disliked aspects.
  – Technologies used: Python, NLTK, Streamlit, VADER, RegexpParser.

- **World Happiness Report Analysis**                    *2025*

  *Performed exploratory data analysis and hypothesis testing to understand factors influencing happiness worldwide.*
  – Analyzed World Happiness Report dataset to evaluate the impact of various factors on happiness scores.
  – Created insightful visualizations using libraries like Seaborn and Matplotlib to present findings.
  – Technologies used: Python, Pandas, NumPy, Seaborn, Matplotlib, SciPy, Statsmodels.

## TECHNICAL SKILLS AND INTERESTS

**Languages**: C/C++, Python, SQL, HTML5, JavaScript, CSS
**Developer Tools/Runtime Environments**: VS Code, Node.js, Jupyter Notebook, Git/GitHub
**Frameworks**: Bootstrap, Tailwind CSS
**Libraries**: Pandas, NumPy, NLTK, Matplotlib, Scikit-learn, OpenCV
**Coursework**: Data Structures And Algorithms, OOPS, DBMS, COA, Networks, NLP
**Areas of Interest**: Data Science, Web Development

## ACHIEVEMENTS

- **National Semi Finalist – Flipkart Grid 7.0**                    *2025*
- **Winner – HackMol 6.0 (Women's track) :** Led a team to victory in the 36-hour hackathon                    *2025*
- **Google Cloud Badge :** Introduction to Generative AI Expertise                    *2024*
- **Google Cloud Badge :** Mastery of Large-Language Models                    *2024*

## LEADERSHIP AND EXTRA CURRICULARS

- **Internship Representative :** Dept. of Data Science and Engineering, NIT Jalandhar                    *2025 - Present*
- **Core Member :** Fine Arts Society, NIT Jalandhar                    *2023 - Present*
- **Volunteer :** Community Service Club, NIT Jalandhar                    *2023 - 2024*