

ASHUTOSH SINGH RAWAT

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Ashutosh Singh Rawat LinkedIn | [rawatashutosh26 \(github.com\)](https://github.com/rawatashutosh26)

EDUCATION

- **VIT Bhopal University** (August, 2022 – Present)
B. Tech CSE(Core) | CGPA: 8.76
- **Rainbow Public School** (May, 2020 – June 2021)
Higher Secondary | Percentage: 96.6%

SKILLS

- HTML, CSS, Canva.
- Java, Python, C++, The Analytical Mind, VSCode

PROJECTS

HYPOTHESIS TESTING ON STUDENT PERFORMANCE

(Aug, 2023 – Oct 2023)

- **Developed a machine learning model** that automated student success prediction based on socio-economic factors and improving prediction accuracy.
- **Constructed a detailed dataset encompassing multiple socio-economic variables** improved system efficiency by reducing data processing time by 40% while ensuring high accuracy.
- **Engineered a robust hypothesis testing framework using statistical analysis** to validate model predictions, enhancing the reliability of insights for educational policymakers.
- **Optimized workflow automation**, reducing manual effort by 70% and ensuring 99% accuracy in predictions, leading to a 50% increase in efficiency and streamlined decision-making.

GESTURE ALCHEMY

(Feb, 2024 – May 2024)

- **Developed a speech-to-sign language model using machine learning** enhancing accessibility for the hearing-impaired community by 50%.
- **Designed a speech recognition system** capable of accurately transcribing voice inputs and mapping them to appropriate sign language gestures. Utilized natural language processing (NLP) and deep learning models to enhance recognition accuracy, achieving a 90% success rate in correctly identifying spoken words and generating corresponding visual representations.
- **Created an accuracy validation framework**, improving the model's reliability by analyzing a diverse dataset of standard sign language gestures across various contexts.
- **Optimized the model's performance** by incorporating a comprehensive dataset of sign language gestures, improving gesture mapping accuracy and user experience.

EXTRA-CURRICULARS AND ACHIEVEMENTS

EXTRACURRICULAR

- **Co-founder, Pahadi Club – VIT Bhopal** Led initiatives to promote Pahadi culture through various events, increasing student participation and cultural awareness.
- **National Service Scheme - VIT Bhopal University** – Participated in the plantation camp where the team successfully planted 10,000 trees, contributing to environmental sustainability and community awareness.

ACHIEVEMENTS

- Engaged with community discussions during the **100 Days of Code** project, sharing insights after completing each milestone; cultivated collaborative learning habits that enhanced overall understanding among peers involved in similar initiatives.
- **Achieved a top 5% rank** in the NPTEL Cloud Computing exam, demonstrating expertise in technologies and academic excellence.
- Attended the **INSPIRE camp** in class 10, selected as a **top 1% of students in the board**.

ADDITIONAL INFORMATION

- **Hobbies:** • Enjoy reading fiction novels that depict the daily lives of people, exploring diverse perspectives and experiences through engaging storytelling.
- **Languages:** English (Professional working proficiency), Hindi.

CODING PROFILE

- [Ashutosh Singh Rawat GFG](#)