

# ASHUTOSH SINGH RAWAT

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

## EDUCATION

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- **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

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- HTML, CSS, Basic MERN Stack (MongoDB, Express.js, React.js, Node.js).
- Java, Python, Basic knowledge of AWS (EC2, S3, Lambda, DynamoDB).

## PROJECTS

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- **HEALTH++ - SMART MEDICAL WEBSITE** *(Aug, 2023 – Oct 2023)*
  - **Built a full-stack health management website** enabling patients to book appointments (online/offline), upload documents, and access prescriptions securely.
  - **Integrated Google Drive API with Node.js backend** for real-time document storage and retrieval, enhancing data accessibility and backup reliability.
  - **Implemented a prescription-sharing system** where doctors can write and view patients' historical treatments, aiding continuity of care and informed diagnosis.
  - **Designed a secure login** and document encryption flow, increasing user data protection and supporting compliance with healthcare data standards.

- **GESTURE ALCHEMY** *(Feb, 2024 – May 2024)*
  - **Developed a speech-to-sign language model using machine learning** enhancing accessibility for the hearing-impaired community.
  - **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.
  - **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

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### 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

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- **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

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- [Ashutosh Singh Rawat Codolio](#)