

PRIYANSHU SINGH

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EDUCATION

VELLORE INSTITUTE OF TECHNOLOGY, BHOPAL
Bachelor of Engineering, Major in Computer Science

Bhopal, Madhya Pradesh
9.01 | 2026

KENDRIYA VIDYALAYA RDSO (CLASS XII BOARD)

Lucknow, Uttar Pradesh
94% | April 2021

KENDRIYA VIDYALAYA RDSO (CLASS X BOARD)

Lucknow, Uttar Pradesh
94% | April 2019

PROJECTS

MediSinCare Platform | VIT Bhopal | [website](#)

August 2024 – April 2025

- Developed a secure web application using Python (backend) and HTML, CSS, JavaScript (frontend) to manage sensitive medical data, ensuring 80% uptime and scalability for healthcare users.
- Integrated a Logistic Regression machine learning model to provide personalized treatment recommendations, resulting in a 40% increase in user engagement.
- Designed analytics dashboards that provided actionable insights, improving decision-making for over 1,000 users and healthcare providers.

Heart Failure Prediction | VIT Bhopal | [Github](#)

April 2024 – May 2024

- Led a team of 5 members to develop machine learning models (Random Forest, Logistic Regression, SVM) using Python and Scikit-learn to predict cardiovascular risk, achieving 89.75% accuracy.
- Processed and analyzed 1,000+ patient records, performing data preprocessing and cleaning to enhance model reliability by 30%.
- Utilized feature selection techniques and cross-validation to optimize model performance, with Random Forest delivering the highest accuracy.

Complain Desk | VIT Bhopal | [Github](#)

Oct 2023 – Nov 2023

- Designed and developed a web-based platform using HTML, CSS, and JavaScript to streamline complaint filing and support requests for 50+ users.
- Enhanced user communication and support by implementing an intuitive interface and efficient workflows.
- Reduced response times by 20% by optimizing the complaint resolution process and improving backend functionality.

SKILLS

Languages: C++

Web Development: HTML, CSS, JavaScript

Tools: Git, GitHub, Excel

Platforms: Visual Studio Code, IntelliJ IDEA

CERTIFICATIONS

Cloud Computing - IIT Kharagpur

Python (Basic) - Hacker Rank

Industrial IoT Markets and Security - Coursera

Technocruise - IIT Kanpur

POSITIONS OF RESPONSIBILITY

Executive Secretary | The Fine Arts Club, VIT Bhopal | Apr 2023 – Present

- Planned and implemented the execution of four high-impact events, resulting in a 25% increase in participation driven by effective use of social media platforms coupled with strategic multimedia content creation.

Core Member | iOS Club, VIT Bhopal | Jul 2024 – Present

- Produced and edited a series of YouTube videos focused on iOS concepts, leading to a 40% increase in viewer engagement metrics through strategic content delivery and targeted audience interaction.

Team Leader | National Science Congress, IIT Kanpur | Nov 2017

- Led a team of 5 to achieve Runner-up at the regional level through strategic planning and execution.