Priyanshu Singh

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EDUCATION

Vellore Institute of Technology, Bhopal — Bhopal, Madhya Pradesh
Bachelor of Technology in Computer Science and Engineering, CGPA: 8.93/10 — Oct 2022 – Present

Kendriya Vidyalaya, RDSO — Lucknow, Uttar Pradesh
Class XII (CBSE) , Percentage: 93.2% — Apr 2020 – May 2021

Kendriya Vidyalaya, RDSO — Lucknow, Uttar Pradesh
Class X (CBSE) , Percentage: 94% — Apr 2018 – May 2019

TECHNICAL SKILLS

Languages: C++
Web Development: HTML, CSS, JavaScript, React
Database: MySQL
Tools: Git, GitHub, Excel
Platforms: Visual Studio Code, IntelliJ IDEA

TECHNICAL PROJECTS

MediSinCare Platform | *Python, HTML, CSS, JavaScript* — 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 providers.
- Integrated a Logistic Regression machine learning model for personalized treatment recommendations, resulting in a 40% increase in engagement.
- Designed analytics dashboards that provided actionable insights, improving decision-making for over 1,000 users and healthcare providers.

Heart Failure Prediction | *Python, Scikit-learn* — April 2024 – June 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 an accuracy of 89.75%.
- Processed and analyzed 1,000+ patient records, performing preprocessing and cleaning, which improved model reliability by 30%.
- Utilized feature selection techniques and cross-validation to optimize model performance, with Random Forest delivering the highest accuracy.

Complain Desk | *HTML, CSS, JavaScript* — October 2023 – Nov 2023
- Developed a responsive web platform using HTML5, CSS3, and modern JavaScript to automate complaint handling for 50+ users, reducing processing time by 30%.
- Enhanced user communication and support by implementing an intuitive interface and efficient workflows.
- Optimized complaint workflows and backend logic to reduce response time by 20%.

CERTIFICATIONS

Cloud Computing - *IIT Kharagpur*
Industrial IoT Markets and Security - *Coursera*
Python (Basic) - *HackerRank*

EXTRACURRICULAR ACTIVITIES

Executive Secretary — *The Fine Arts Club, VIT Bhopal* — Jul 2024 – May 2025
- Led 4+ college events (500+ attendees each), increasing participation by 25% through targeted marketing (Instagram, WhatsApp).
- Created 10+ promotional posters (Canva/Adobe Photoshop) and edited 5+ event recap videos (Adobe Premiere Pro/CapCut), driving a 40% increase in social media engagement (likes, shares, follower growth).

Core Member — *iOS Club, VIT Bhopal* — Jul 2024 – Apr 2025
- Edited 10+ Swift tutorial videos using Adobe Voice and Final Cut Pro. Improved video quality, resulting in 25% higher viewer retention.
- Increased production quality standards, resulting in 40% cumulative view growth and 25% higher viewer retention .

Team Leader — *National Science Congress, IIT Kanpur* — Nov 2017
- Secured runner-up among 20+ schools by leading a 5-member team to develop the "Junk Food Epidemic" project, showing a 68% correlation between diet and health.