Priyanshu Singh

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EDUCATION

Vellore Institute of Technology, Bhopal Bhopal, Madhya Pradesh
Bachelor of Technology in Computer Science and Engineering , CGPA: 8.91/10 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
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 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 | *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 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 | *HTML, CSS, JavaScript* October 2023 – Nov 2023
- Engineered a responsive web platform using HTML5, CSS3, and JavaScript ES6+ to automate complaint management for 50+ users, reducing processing time by 30%.
- 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.

CERTIFICATIONS

Cloud Computing - *IIT Kharagpur*

Industrial IoT Markets and Security - *Coursera*

Python (Basic) - *Hacker Rank*

EXTRACURRICULAR ACTIVITIES

Executive Secretary — *The Fine Arts Club, VIT Bhopal* Jul 2024 – May 2025
- Spearheaded 4+ college events (500+ attendees each), boosting participation by 25% via targeted digital marketing (Instagram, WhatsApp campaigns).
- 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
- Served as primary video editor for 15+ technical tutorials (Swift), utilizing Adobe Voice for professional audio enhancement and Final Cut Pro for visual polishing.
- Increased production quality standards, resulting in 40% cumulative view growth and 25% higher viewer retention .

Team Leader — *National Science Congress, IIT Kanpur* Nov 2017
- Runner-up among 20+ schools after leading a 5-member team to develop "The Junk Food Epidemic" project, proving a 68% correlation between junk food consumption.