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, Firebase Firestore
Tools & Platforms: Git, GitHub, Excel, VS Code, IntelliJ IDEA
Professional Skills: Planning, Formal Communication, Team Collaboration

TECHNICAL PROJECTS

Full-Stack Chat App with WebSockets | *MERN, Socket.io, JWT, ShadCN* — Aug 2025 – Present
- Built a responsive single-page chat application with React + Tailwind, improving UI load speed by 40%.
- Engineered real-time messaging with Socket.io, cutting refresh delays and enabling sub-second latency.
- Secured conversations with JWT authentication and middleware for token validation, ensuring data privacy.
- Optimized MongoDB queries, boosting data retrieval efficiency by 30%.

MediSinCare Platform | *Python, Firebase, Logistic Regression, HTML, CSS, JavaScript* — Aug 2024 – Apr 2025
- Collaborated in a team project to build a healthcare web app predicting diseases from symptoms using a Logistic Regression model trained on 2,000+ patient records.
- Integrated Firebase Authentication and Firestore for secure login, user management, and feedback collection.
- Implemented multi-page navigation (About Us, Diet, Main) and personalized prevention recommendations, increasing engagement by 35%.
- Contributed to data preprocessing and testing workflows, improving prediction reliability by 20%.

Heart Failure Prediction | *Python, Scikit-learn* — Apr 2024 – Jun 2024
- Led a 5-member team to develop ML models (Random Forest, SVM, Logistic Regression) achieving 89.75% accuracy.
- Preprocessed and analyzed 1,000+ patient records, enhancing model reliability by 30%.
- Evaluated models using precision, recall, F1-score, and ROC-AUC, validating effectiveness for early heart failure risk prediction.
- Optimized performance through feature selection and cross-validation, reducing variance by 15%.

CERTIFICATIONS

Oracle Cloud Infrastructure 2025 Certified Foundations Associate — *Oracle University* — Sep 2025

EXTRACURRICULAR ACTIVITIES

National Semi-Finalist — Flipkart GRiD 2025 — Aug 2025
- Advanced to the semi-final stage among 1.5L+ participants nationwide, recognized for technical accuracy and creative solution design.

Deloitte Australia Technology Job Simulation — *Forage* — Aug 2025
- Completed a job simulation involving development and coding tasks aligned with Deloitte's technology consulting practice.
- Wrote a proposal for creating a dashboard.

Executive Secretary — *Fine Arts Club, VIT Bhopal* — Jul 2024 – May 2025
- Organized 4+ cultural events with 500+ attendees each, boosting participation by 25% through targeted digital campaigns.
- Created 10+ posters and edited 5+ recap videos, driving 40% growth in social media engagement.

Core Member — *iOS Club, VIT Bhopal* — Jul 2024 – Apr 2025
- Produced and edited 10+ Swift tutorial videos, improving quality and achieving 25% higher viewer retention.
- Raised production standards, resulting in 40% cumulative view growth.

Team Leader — *National Science Congress, IIT Kanpur* — Nov 2017
- Led 5-member team to secure runner-up among 20+ schools with "Junk Food Epidemic" project, proving 68% diet-health correlation.