PRITAM CHAVAN

Mumbai, Maharashtra

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Education

Veermata Jijabai Technological Institute (VJTI)	**July 2023 – May 2027**
B.Tech in Electronics and Telecommunication (Minor in Data Science) (CPI: 7.70)	*Mumbai, Maharashtra*

Relevant Coursework

- C++ Programming
- Python Programming
- Data Science
- Computer Communication Network
- Object-Oriented Programming

Technical Skills

Languages: C++, JavaScript, Python, SQL
Frontend: HTML, CSS, Tailwind CSS, React.js
Backend: Node.js, Express.js, Socket.IO, Axios
Databases: MongoDB, MySQL

Tools: Git, GitHub, Postman, VS Code
Libraries: Numpy, Pandas , Matplotlib, Seaborn
CS Fundamentals: DSA, OOP, DBMS, OS

Projects

Credit Risk Default Prediction & Portfolio Segmentation 🎧   *Oct 2025*

Built an end-to-end machine learning system to estimate borrower probability of default and support credit portfolio risk management.

- **Tools & technologies used**: Python, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn
- Trained and evaluated **2 ML models** (Logistic Regression, Random Forest) on **5,000 borrower records**, achieving **87% AUC-ROC**.
- Engineered **14+ financial and behavioral features** and identified **top 5 default risk drivers** using feature importance analysis.
- Segmented the credit portfolio into **4 risk bands**, enabling early-warning insights for high-risk borrower monitoring.

CampusCart – MERN Stack Campus Marketplace 🎧   *July 2025*

Developed a secure full-stack campus marketplace enabling peer-to-peer buying and selling with optimized performance and authentication.

- **Tools & technologies used**: React.js, Node.js, Express.js, MongoDB, Tailwind CSS, JWT, Axios
- Designed and implemented **20+ RESTful APIs** with JWT authentication and a modular **5-collection MongoDB schema**.
- Built a responsive React SPA with **12+ reusable components** and Context-based authentication for user and session management.
- Optimized frontend performance using pagination and lazy loading, reducing page load time by **30%**.

Mentors Connect – Real-Time Mentorship Platform 🎧   *June 2025*

Engineered a real-time mentor–student interaction platform with instant virtual sessions and secure communication.

- **Tools & technologies used**: React.js, Node.js, Express.js, MongoDB, Zoom API, Socket.IO, JWT
- Integrated **Zoom API** to automate instant meeting creation using OAuth-based authorization and REST endpoints.
- Developed a real-time chat system using **Socket.IO** with event-driven messaging and **persistent message storage** in MongoDB.
- Implemented 2-layer session security using **JWT-based authentication** and **HTTP-only cookies**.

Achievements and Certifications

- Led a team of 6 members to clear the internal college round of Smart India Hackathon (SIH) at VJTI, demonstrating leadership, ideation, and technical execution skills.
- Solved **400+** Data Structures and Algorithms problems on **LeetCode**.
- Achieved a **2★** rating on **CodeChef** in competitive programming.
- Full Stack Web Development – Udemy (2025): Gained practical experience in building MERN stack applications with JWT-based authentication, responsive design, and API-driven backend systems.