

PRANJAL KARAN

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SUMMARY

Computer Science undergraduate with hands-on experience in full-stack web development and machine learning. Skilled in building scalable, performance-driven applications using React, Redux, JavaScript, and RESTful APIs. Experienced in developing predictive models using Python and Scikit-learn, with a strong foundation in SQL, Git-based version control, and modern frontend tooling. Microsoft Azure Data Fundamentals and MERN Stack certified.

EDUCATION

Vellore Institute of Technology, Bhopal

B.Tech in Computer Science Engineering – CGPA: 8.45

2023 – 2027

Sehore, India

Public School Darbhanga (CBSE)

Class XII – Percentage: 80.8%

2021

Bihar, India

RELEVANT COURSEWORK

Data Structures and Algorithms, Operating Systems, Database Management Systems, Object-Oriented Programming, Web Development

EXPERIENCE

Bluestock Fintech

Dec 2025 – Jan 2026

Remote

Software Development Engineer Intern

- Implemented the frontend of an ML-driven fundamental analysis platform using React and Redux Toolkit, supporting analysis for 100+ publicly listed companies.
- Architected a responsive analytics dashboard with TailwindCSS, improving data readability and reducing page load time by approximately 25%.
- Optimized user experience for high-volume financial datasets through skeleton loaders and asynchronous API handling, reducing perceived latency.

PROJECTS

QuickStay – Hotel Booking Platform

2026

- Developed a full-stack hotel booking platform with Role-Based Access Control (RBAC), supporting separate Admin and Customer workflows.
- Built an Admin Dashboard to manage room inventory, bookings, and revenue analytics, streamlining operational oversight.
- Integrated Framer Motion animations to enhance interface responsiveness and improve user engagement.
- **GitHub:** github.com/Pranjalk22/Hotel-Booking – **Live:** quickstay-hotels-p22.vercel.app

PodcastHub

2025

- Created a responsive single-page application using React and Vite, achieving nearly 40% faster build times compared to Create React App.
- Implemented TailwindCSS utility-first styling to ensure consistent performance across desktop and mobile devices.
- **GitHub:** github.com/Pranjalk22/PodStream – **Live:** pod-stream.vercel.app

Diabetes Prediction System

2024

- Trained a Support Vector Machine (SVM) model to predict diabetes outcomes with improved classification accuracy on clinical data.
- Performed data cleaning, normalization, and feature scaling on the PIMA Indian Diabetes Dataset to enhance model performance.
- **GitHub:** github.com/Pranjalk22/Diabetes_Prediction-svm

TECHNICAL SKILLS

Languages: JavaScript, Java, C++, Python, SQL

Frontend: React, Redux Toolkit, HTML, CSS, TailwindCSS

Backend: Node.js, Express.js, REST APIs

Machine Learning: Scikit-learn, Support Vector Machine (SVM), Data Preprocessing

Databases: MySQL, PostgreSQL, MongoDB

Tools & Platforms: Git, GitHub, VS Code, Vite, Clerk Auth

LEADERSHIP

Linpack Club

2024

Social Media Co-Lead

VIT Bhopal

- Directed digital outreach and content strategy, increasing event registrations and online engagement by approximately 30%.

CERTIFICATIONS

Microsoft Certified: Azure Data Fundamentals (DP-900) – MERN Full Stack Development (Ethnus)