

# PRIYANSHU VERMA

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## Summary

B.Tech CSE (AI & ML, 2027) with hands-on experience in **Node.js**, **Express.js**, **MongoDB**, and REST API development. Skilled in server-side programming, async/await, schema design, indexing, and caching with **Redis**. Knowledge of **JWT authentication**, microservices, and CI/CD. Proficient with **Git** and Postman, with strong debugging skills.

## EDUCATION

### Sharda University

2023 – 2027

*B.Tech - Computer Science and Engineering - 8.65*

### Raj Kumar Academy

2019 – 2022

*XII - 90.75 — X - 79.00*

## EXPERIENCE

### Software Engineering Intern at Hobit

May 2025 – July 2025

*Role - Frontend Developer (Backend Collaboration)*

- Integrated and tested REST APIs, collaborated with backend teams on **Socket.IO** events and data flow.
- Debugged API issues, optimized response handling, and improved overall reliability between frontend and backend.
- Participated in code reviews, **Git** workflows, and Agile sprints, following industry best practices.

## PROJECTS

### Multiplayer Chess Platform 🎯 | Node.js, Socket.IO, Redis, MongoDB, REST APIs

- Developed scalable backend services using **Node.js** and **Socket.IO** for real-time communication with 100+ concurrent users, ensuring low-latency event handling.
- Designed and integrated RESTful APIs, implemented **Redis**-based matchmaking & session recovery to improve reliability by 40%.
- Built efficient **MongoDB** models with proper indexing to handle high-load concurrent requests.

### Video & Tweet Sharing Backend 🎯 | Node.js, Express, MongoDB, JWT, REST APIs

- Built a secure backend system with modular **Express** microservices, route validation, and **JWT**-based authentication.
- Applied database management best practices—indexing, query optimization, and connection pooling—to achieve ~25% faster API response times.
- Implemented logging, error handling, and integration tests, improving backend maintainability and observability.

### HealthPath - Hospital Finder 🎯 | Node.js, MongoDB, Google Maps API, REST APIs

- Built backend services in **Node.js** with optimized **MongoDB** queries for fast, efficient data retrieval.
- Designed and integrated RESTful APIs with **Google Maps API**, implementing caching and error handling for reliable real-world performance.
- Performed unit/integration testing and debugging, ensuring clean, reusable code and cloud-ready deployment.

## TECHNICAL SKILLS

**Programming:** JavaScript (ES6+), Python, Java, C++

**Software Development:** React.js, Node.js, Express.js, REST APIs, Socket.IO, Mongoose, Redis, JWT

**Testing & DevOps:** Unit/Integration Testing, Postman, Git/GitHub, CI/CD, Logging, Monitoring

**Cloud/Practices:** GCP Fundamentals, AWS Exposure, Agile/Scrum, API Documentation, Performance Profiling

**Problem Solving:** DSA, OOP, 500+ LeetCode Problems

## EXTRACURRICULAR

- Technovation Hackathon:** Built and deployed solutions under 24-hour deadlines, practicing **rapid backend prototyping**, **API design**, and **teamwork**.
- Open-Source:** Contributed automation scripts and documentation, improving **CI reliability** and **developer onboarding**.
- Competitive Programming:** Solved **400+ LeetCode problems**, strengthening algorithms, complexity analysis, and backend problem-solving skills.

## CERTIFICATIONS

- Full-Stack Web Development – Udemy
- Introduction to Cloud Computing - IBM