

PREKSHA JAIN

Software Engineer | Backend Developer (Node.js, MERN) | Aspiring AI/ML Engineer

Portfolio: [Link](#)

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PROFESSIONAL SUMMARY

Software Engineer with strong backend development expertise and problem-solving skills (600+ DSA problems). Experienced in building scalable REST APIs, authentication systems, and full-stack applications using the MERN stack.

Hands-on experience in optimizing backend performance, improving system reliability, and handling high-volume requests. Currently expanding into AI/ML systems, including LLM workflows, data pipelines, model evaluation (MAE, RMSE), and predictive analytics.

Passionate about building scalable, data-driven applications at the intersection of backend engineering and intelligent systems.

EDUCATION

Bachelor of Technology, Information Technology

Bharati Vidyapeeth's College of Engineering, GGSIPU, New Delhi

8.76/10 CGPA

Nov 2022 – (Expected) June 2026

EXPERIENCE

Mednex Research Solution | Software Development Engineer Intern, Remote

Dec 2025 – Present

- Integrated Razorpay payment gateway with secure transaction lifecycle handling and webhook-based updates
- Improved payment reliability using retry logic and robust error handling
- Built 10+ scalable REST APIs handling 5K+ requests/day, improving performance, throughput, and latency
- Collaborated with frontend team to reduce API errors by 20%
- **Tech Stack:** Node.js, Express.js, MongoDB, React, Razorpay, Postman

Parihar India / Software Developer Intern, Remote

Feb 2025 – July 2025

- Implemented secure authentication and role-based access control using JWT and MongoDB
- Improved login/signup success rate by 30% by optimizing workflows
- Developed 8+ scalable backend APIs, handling **3K+ daily requests with improved reliability**
- **Tech Stack:** MongoDB, Express.js, React.js, Node.js, Tailwind CSS, Postman

Globe Capital Market Limited / Software Developer Intern, Delhi

July 2024 – Aug 2024

- Identified and resolved 15+ critical edge cases using DSA concepts, reducing runtime errors and improving system reliability
- Enhanced application robustness by preventing potential runtime failures
- **Tech Stack:** C++, SQL

TECHNICAL SKILLS

Programming Languages: C++, Python

Frontend Development: React.js, JavaScript, TailwindCSS, HTML5, CSS3, Bootstrap 5

Backend Development: Node.js, Express.js, RESTful APIs, Microservices Architecture

AI & Integrations: OpenAI API / NLP, Payment Gateway Integration Razorpay, Webhooks

Databases: MySQL, MongoDB

Developer Tools: Git, GitHub, Postman, VS Code

Computer Science Fundamentals: Data Structures and Algorithms, Object-Oriented Programming, DBMS, OS

PROJECTS

OurSpace - Couple Relationship Tracker Website | [Github](#) | [Live Link](#) | MERN, JWT Auth, Axios, Context API, OpenAI API

- Built a full-stack MERN-based couple relationship management platform enabling partners to track moods, habits, and interactions, improving communication and engagement for 50+ users
- Integrated AI-based sentiment analysis to analyze user mood entries and generate actionable relationship insights
- Developed a recommendation system suggesting activities, communication tips, and habit improvements based on user behavior
- Designed personalized AI-driven prompts to enhance emotional engagement and user interaction

Fee Flow | [Github](#) | [Live Link](#) | React.js, Node.js, Express.js, MongoDB, RESTful APIs, TailwindCSS, Twilio API

- Managed 100+ student records with real-time payment tracking
- Automated 300+ notifications via Email, SMS, and WhatsApp using cron jobs
- Built REST APIs and dashboard for tracking payments

ACHIEVEMENTS

- Solved **600+ DSA problems**, strengthening problem-solving and optimization skills across arrays, trees, and graphs
- Won **1st Position** in **Hack2Hustle 2025**, competing with **20k+ participants**.
- Selected for the **Super 30** Program led by Anand Kumar Sir.