

Satyam Prajapati

Portfolio | [LinkedIn](#) | [GitHub](#) | [LeetCode](#)

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Full Stack Developer

Full Stack Developer with strong foundation in **MERN stack and Data Structures & Algorithms**. Built **5+ production-ready applications** integrating **AI APIs, payment gateways, video calling, and real-time notifications**. Solved **250+ DSA problems** on LeetCode demonstrating strong problem-solving and algorithmic thinking.

Technical Skills

Languages	: JavaScript, TypeScript, C++, SQL, HTML5, CSS3
Frontend	: React.js, Next.js, Tailwind CSS, Framer Motion, Responsive Design
Backend	: Node.js, Express.js, RESTful APIs, Prisma ORM
Databases	: MongoDB, PostgreSQL
Design & Tools	: Figma, UI/UX Design, Git, GitHub, VS Code, Linux
APIs & SDKs	: Razorpay, Agora.io, OpenAI, Google Gemini, JWT, Socket.io

Education

KCC Institute of Technology and Management	Greater Noida, India
Bachelor of Technology in Computer Science and Engineering – CGPA: 7.7/10	Nov 2022 – May 2026

Projects

VetCare - Veterinary Telemedicine Platform	Node.js, React, MongoDB, Socket.IO, Razorpay, Agora RTC	Source Code
<ul style="list-style-type: none">Built production-ready telemedicine platform connecting farmers with veterinary doctors featuring appointment scheduling, HD video consultations, post-consultation payment workflow, and automated medical report delivery via email and push notificationsArchitected scalable backend with 50+ RESTful APIs, JWT authentication, role-based authorization, 12 MongoDB schemas with compound indexing (95% faster queries), and 18% commission model with automated earnings distributionIntegrated Socket.IO for real-time notifications, Razorpay with HMAC verification and webhooks, Agora RTC for WebRTC video, optimized queries from 4.5s to 50ms, deployed on Vercel + Render with CI/CD achieving 99.9% uptime		
StudyHelper - AI-Powered Educational Platform	React, TypeScript, Node.js, Express, OpenAI, Gemini API	Source Code
<ul style="list-style-type: none">Full-Stack AI Application: Developed study assistant with dual AI provider architecture, automated quiz generation from PDFs, flashcards, and document summarization with intelligent fallback mechanismsScalable Backend Architecture: Built Express.js API with JWT authentication, rate limiting, and PDF processing pipeline. Implemented structured prompt engineering with JSON schema validation ensuring consistent responsesProduction Deployment & Performance: Deployed on Vercel/Render, optimized with caching and database indexing reducing response time by 40%, achieving 98% uptime in production		
SecondBrain - Knowledge Management Platform	React 19, Node.js, Express, MongoDB, JWT, Framer Motion	Source Code
<ul style="list-style-type: none">Full-Stack MERN Development: Engineered knowledge management platform with React 19 frontend featuring neural network animations, Express.js RESTful API, and MongoDB with optimized indexing for efficient multi-content searchAdvanced Authentication & Security: Implemented JWT-based authentication with bcrypt hashing (12 salt rounds), protected route middleware, and user data isolation with secure session managementModern UI & Performance: Built responsive interface with Framer Motion animations, real-time dashboard, and dark mode using Tailwind CSS, optimized for smooth user interactions		

Open Source Contributions

satyam-auth - NPM Package	JWT, bcrypt, Express Middleware	Source Code
<ul style="list-style-type: none">Published authentication middleware on npm with JWT-based login/register, protected routes, and bcrypt encryption. Downloaded by 50+ developers worldwide with comprehensive documentation.		

Achievements & Certifications

<ul style="list-style-type: none">Problem Solving: Solved 250+ DSA problems on LeetCode using C++ and SQL demonstrating strong analytical and problem-solving skills with focus on optimizationCertifications: Full Stack Web Development (100xDevs by Harkirat Singh), Data Structures and Algorithms (iNeuron.ai)Technical Impact: Deployed 5+ production applications serving live users with integrations including Razorpay payments, Agora.io video calling, and OpenAI/Gemini AI APIs		
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