

PRATEEK KUMAR

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PROFESSIONAL SUMMARY

Full Stack Software Development Engineer (SDE) with expertise in architecting scalable web solutions using Next.js, React Server Components, and modern backend architectures. Proven ability to build production-ready platforms from the ground up, integrating secure authentication systems and complex third-party APIs. Passionate about AI integration and performance optimization in real-time applications.

PROFESSIONAL EXPERIENCE

Software Development Engineer | Trav

Jul 2025 – Present

- Platform Architecture:** Architected a scalable, production-ready web platform utilizing Next.js and React Server Components (RSC), establishing the core infrastructure for superior SEO performance and rapid page loads.
- Security & Auth:** Engineered a secure, multi-provider authentication system (Google & Microsoft Login) using API-driven, cookie-based sessions to ensure robust user data protection and seamless access.
- Feature Engineering:** Developed a comprehensive, responsive admin dashboard and a dynamic white-label page generation engine to extend platform capabilities for B2B partners.
- API Integration:** Orchestrated the aggregation of diverse travel inventories by integrating third-party platforms (Klook, Agoda) via complex RESTful APIs, ensuring real-time data accuracy.
- Backend Stability:** Built and maintained resilient backend microservices using FastAPI, enforcing strict code quality standards to ensure high system availability and clean, maintainable production code.

KEY PROJECTS

Real-Time Web Scraper | Next.js, TypeScript, Node.js, Puppeteer

- Developed a comprehensive scraping engine capable of extracting dynamic content from complex websites in real-time.
- Implemented advanced data processing pipelines and a responsive interface for managing concurrent scraping tasks efficiently.

Crop Prediction System | Next.js, React, Machine Learning, Payload CMS

- Built an intelligent agricultural solution utilizing ML algorithms to predict crop yields and optimize farming decisions based on data inputs.
- Integrated Payload CMS for efficient content management, providing farmers with actionable, data-driven insights.

Eduveda | Next.js, Framer Motion, Tailwind CSS

- Designed an innovative educational platform combining interactive learning modules with smooth, performance-optimized animations.
- Focus on modern UI/UX principles to enhance the digital learning journey for students and educators.

TECHNICAL SKILLS

Frontend	Next.js, React.js, TypeScript, JavaScript, Tailwind CSS, HTML5, Framer Motion
Backend	Node.js, Express.js, FastAPI, RESTful APIs, Auth Systems (OAuth/JWT)
Database	MongoDB, PostgreSQL, Prisma ORM, MySQL
DevOps & Tools	Docker, Git/GitHub, AWS, Azure, Linux Administration, Postman

EDUCATION

Bachelor of Engineering in Computer Science | Lovely Professional University

2021 – 2025

CGPA: 7.3 | Punjab, India

ACHIEVEMENTS & CERTIFICATIONS

- Dean's List (LPU):** Recognized in the top 10% of students for academic excellence and co-curricular performance.
- Head, Student Entrepreneurship Cell:** Led 50+ events and coordinated with stakeholders to drive student engagement.
- Microsoft Career Essentials in Generative AI:** Certified in LLMs, prompt engineering, and AI ethics.