

# 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.