Kumar Prakhar

Software Engineer

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Professional Summary

Full Stack Developer with experience in MERN stack and secure backend systems. Built production-ready REST APIs and authentication systems, with academic research experience in machine learning and satellite data analysis.

Technical Skills

- **Languages:** Python, JavaScript, TypeScript, Java, C
- **Frontend:** React, TailwindCSS
- **Backend:** Node.js, Express, FastAPI, Django
- **Databases & Tools:** MongoDB, MySQL, Git, Postman, TensorFlow, Scikit-learn
- **DevOps**: AWS(EC2, S3, RDS, IAM, CloudWatch), Docker, CI/CD, Observability, Linux, Version Control
- **Relevent Coursework:** OOPs, Data Structures, Algorithms, Software Engineering, Agile Methodolgy, Database Management System, Big Data

Projects

- **SchoolChakra - Multi-Tenant School ERP SaaS Platform** [GitHub] [Visit] | *React, TypeScript, Tailwind CSS, Node.js, Express, PostgreSQL, Prisma, Cloudinary*
  - Engineered a production-grade multi-tenant ERP platform for schools with modular architecture
  - Built 80+ REST APIs with RBAC, subscription-aware feature management and centralized authorization for enterprise-scale workflows
  - Designed a provider-agnostic billing architecture, advanced reporting engine and background automation to support future SaaS growth
- **RankKro - Mock Test SaaS Platform** [GitHub] [Visit] | *React, TypeScript, Tailwind CSS, Node.js, Express, MongoDB, Razorpay, Inngest, JWT*
  - Built a production-grade SaaS platform simulating real exam environments with timer, navigation, and rank system
  - Developed 25+ REST APIs for auth, test lifecycle, analytics, and admin workflows with RBAC
  - Integrated Razorpay and async workflows (Inngest), reducing manual operations by 60% and improving response reliability
- **Solvify - IT Solutions & Digital Services** [GitHub] [Visit] | *React, TypeScript, Tailwind CSS, Node.js, Express, MongoDB, Inngest, Mailtrap, JWT*
  - Built a MERN platform for managing client inquiries and quotations with end-to-end tracking
  - Designed 15+ REST APIs with JWT auth, Google OAuth, and secure session handling
  - Automated emails and background jobs, reducing manual follow-ups by 50% and improving workflow efficiency

Experience

- **Fullstack Developer** — Panjiyar Pvt. Ltd. Sept 2025 – May 2026
  - Actively involved in design and development of company's billing and inventory management softwares.
  - Optimized the WebApp for faster content delivery, minimum latency and loading time.

Certifications & Achievements

- AI/ML Lead - Google Developer Groups (Sept 2024 - Aug 2025)
- National Hackathon Finalist – Top 10 among 500 teams
- Postman API Expert Certified | Machine Learning Fundamentals (Coding Spoon) | Project Management (Udemy)

Education

- **B.Tech Computer Science & Engineering (Data Science)** | CGPA: 7.57/10.0 2022 – 2026
  Rungta College of Engineering, Chhattisgarh
- **Higher Secondary (91%)** | Gyansthali High School, Patna 2022