Prateek Srivastava
Software Engineer & AI Enthusiast

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Software Engineer with 3+ years developing scalable applications across frontend, backend, and AI systems using React, Node.js, Python, and machine learning technologies. Proven expertise in software architecture, full-stack development, and delivering high-impact solutions.

TECHNICAL SKILLS

FRONTEND DEVELOPMENT:
- React (Hooks, Context, Router) • Next.js
- JavaScript (ES6+) • TypeScript
- HTML5 • CSS3 (Flexbox/Grid)
- State Management (Redux, Context API)
- Responsive Design • Angular

BACKEND DEVELOPMENT:
- Node.js (Express) • Python
- FastAPI • Django
- RESTful APIs • GraphQL

DATABASE & STORAGE:
- SQL • NoSQL • Vector Databases
- PostgreSQL • MySQL • MongoDB
- Redis • Database Schema Design
- Query Optimization • SQLAlchemy

CLOUD & DEPLOYMENT:
- Docker • CI/CD Pipelines
- GitHub Actions • AWS • Vercel

BUILD TOOLS & WORKFLOW:
- Webpack • Vite • npm/Yarn
- Git Workflows • Package Management
- Code Quality & Linting

AI/ML & COMPUTER VISION:
- PyTorch • OpenAI Whisper
- MediaPipe • TensorFlow.js
- OpenCV • Machine Learning
- Computer Vision • Natural Language Processing

SOFTWARE ENGINEERING:
- Software Architecture • Software Development
- System Design • Agile Development
- Test-Driven Development • Jest
- Unit & Integration Testing

LINKS

in LinkedIn ○ GitHub ▶ YouTube

EDUCATION

UNIVERSITY OF HYDERABAD
M.Tech in Computer Science
Dec 2022 | Hyderabad, Telangana

PSIT KANPUR
B.Tech in Computer Science And Engineering
May 2017 | Kanpur, UP

WORK EXPERIENCE

FREELANCE | Software Developer
Nov 2025 - Present | Remote, India
- **Built a** production-ready marketing site for **Unisolar** company using Next.js, TypeScript, and Tailwind CSS, with SEO-friendly routing and fully responsive UI
- **Architected full-stack infrastructure** Developed an internal fintech dashboard for **WisiPay** using React and Hono (Node.js), implementing role-based auth, REST APIs, and data visualization for transactions and merchants.

AMLINO TECHNOLOGY LIMITED | Software Developer
Jan 2023 - Nov 2025 | Delhi, India
- **Led software development** and cross-functional collaboration to engineer reusable frontend components, reducing development time by **40%** across enterprise applications.
- **Architected full-stack infrastructure** with microservices and backend systems, processing **1000+ daily transactions** at **99.9% uptime**.
- **Developed responsive web applications** using modern frontend technologies with performance optimization, achieving **60% faster load times**.
- **Built scalable backend APIs** and software systems in Node.js, improving system performance by **35%** through software engineering best practices.

SUGOI LABS PVT. LIMITED | Software Developer Intern
Jan 2021 - Jun 2021 | Bangalore, Karnataka
- **Contributed to logistics platform** "GoodsKart" development using Python/Django, implementing automation features that streamlined manual processes by **50%**.
- **Developed backend modules** with PostgreSQL and assisted in CI/CD pipeline setup, contributing to system supporting **500+ daily users**.
- **Collaborated with senior developers** in agile environment, learning clean architecture principles and maintaining **95%+ code quality** through comprehensive testing practices.

PROJECTS

STORYSIGN PLATFORM | Education Technology
○ GitHub | 🌐 Live Demo | ▶ Demo Video
- **Designed and shipped** StorySign, it bridges the gap between clinical care and daily life using Google's multimodal AI that sees, hears, and understands you.using **React (Hooks, Context), FastAPI, MediaPipe** for real-time gesture recognition and personalized learning experiences.

AURA - AI DESKTOP ASSISTANT | AI & Automation
○ GitHub | ▶ Demo Video
- **Innovated** intelligent desktop assistant utilizing **Python, PyTorch, OpenAI Whisper** with voice activation, computer vision, and macOS automation capabilities.

CSECATALYST | Education Platform
🌐 Live Demo | ▶ Demo Video
- **Built and deployed** full-stack study platform which will be serving **2M+ users** using **React with Redux state management, Node.js (Express), PostgreSQL** database schema design, implementing comprehensive testing with Jest and maintaining CI/CD pipelines for automated deployments.