PRAKHYAT PRAKHAR

Full Stack Developer • AI Integrations • Scalable Web & Mobile Platforms

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SUMMARY

- Full Stack & AI Platform Engineer with hands-on experience building scalable Next.js/Node.js web applications, PostgreSQL/Prisma backends, and production LLM integrations.
- Proficient in AI-native engineering workflows (Cursor, Claude Code, GitHub Copilot) to accelerate delivery velocity while maintaining strict code quality, API performance, and platform reliability.

SKILLS

- **Languages & Core:** Python, TypeScript, JavaScript, Dart, C/C++, SQL, HTML5/CSS3
- **Platform & Backend:** RESTful APIs, Node.js, Serverless Architecture, Firebase (Cloud Functions, Firestore, Auth), System Architecture
- **Frontend & UI/UX:** Flutter, React.js, Next.js (App Router), State Management , Figma (UI/UX Systems), Responsive Web Design
- **Databases & Tooling:** PostgreSQL, Prisma ORM, NoSQL Schema Design, Git/GitHub, Docker (Fundamentals), AI-Assisted Engineering (Cursor, Copilot, Claude Code, Google Antigravity), GitHub Actions (CI/CD), Cloud Platforms (Vercel, Supabase, Cloudflare/GCP)

WORK EXPERIENCE

Software Development Engineer – Full Stack & AI

Spark Point Infotech (Indore, Madhya Pradesh, India) **Jul 2026 – Sep 2026**

- Engineered and deployed scalable platform features and modular RESTful APIs across **4** web/mobile applications, establishing standardized API contracts and reducing release cycles by **30%**. .
- Integrated production LLM APIs and semantic search pipelines backed by end-to-end integration testing and schema validation, sustaining **94%** workflow accuracy and sub-**800ms** latency
- Leveraged AI-assisted development tools (Cursor, GitHub Copilot, Antigravity) to boost feature velocity by **35%**, enforcing strict test-driven development (TDD), regression test suites, and systematic peer code reviews. .

Industrial Trainee – Logistics & Space Optimisation

Tata Steel (Tubes Division) (Jamshedpur, Jharkhand, India) **Jun 2025 – Jul 2025**

- Engineered a Python-based logistics simulation tool to model truck volume-weight capacity, reducing simulated Less Than Truck Load (LTL) space underutilization.
- Analysed transport turnaround times and scheduling data across regional freight corridors, delivering dispatch optimisation models to improve throughput.

Frontend Developer & UI/UX Designer Intern

AIToXr (Remote) **Jun 2024 – Jul 2024**

- Architected cross-platform client interfaces in Flutter, translating Figma design systems into 15+ reusable, high-performance UI components.
- Integrated Firebase Authentication and Cloud Firestore for real-time document synchronisation, decreasing UI re-render latency by **~25%**.

KEY PROJECTS

CycleOne SLIET — Campus Fleet Management Platform — SLIET Longowal • *GitHub* **Dec 2022 – Dec 2025**

- Architected a distributed fleet platform and backend infrastructure supporting **500+** active student commuters across campus docking hubs (CSR funded by NHPC).
- Built serverless backend services (Firebase Cloud Functions, Firestore), automating station checkout/checkin with zero concurrency failures and **99.5%+ uptime**.

LuminAI — AI-Powered Interactive Fitness Trainer — Independent Engineering Project • *GitHub* **Feb 2026 – May 2026**

- Architected a cross-platform Flutter app using Google ML Kit and MediaPipe for real-time pose detection, multi-joint spatial coordinate extraction, and on-device frame processing at **30+ FPS** for live form tracking.
- Integrated Gemini API with structured prompt engineering and asynchronous thread isolation in Flutter, achieving personalized AI workout recommendations in under **1.2s** while preserving a **60 Hz** UI rendering rate.

EDUCATION

Bachelor of Engineering (B.E.) in Instrumentation & Control Engineering 2022 – 2026

Sant Longowal Institute of Engineering & Technology (SLIET) • Longowal, Punjab **CGPA: 8.55 / 10.0**

Intermediate (Class XII: 83.0%) & Matriculation (Class X: 91.0%) — Saraswati Shishu Mandir 2022 & 2020

LEADERSHIP & CERTIFICATIONS

- **Overall Coordinator | techFEST'25 SLIET (2024–2025):** Directed technical infrastructure and cross-functional teams of 60+ coordinators for an annual technical festival hosting 5,000+ attendees.
- **Student Coordinator & Programming Lead | CycleOne SLIET (2022–2025):** Led product roadmap, sprint milestones, and engineering deliverables for an NHPC CSR-funded campus initiative.
- **Certifications:** Industry 4.0 & Advanced Manufacturing (Tata Learning Platform), Problem Solving & Computational Thinking (TCS iON), MS Office Specialist (TCS iON).