

Md Kaif

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SUMMARY

Full-stack software engineer and IIIT Delhi CSE 2026 graduate with end-to-end ownership of scalable, distributed production systems across travel tech, healthcare, and fintech. Currently Founding Engineer at Tint, designed and shipped the full system from scratch: microservices-style FastAPI backend, AI itinerary pipeline on GPT-5.3 with real-time web search, consumer app, and internal admin platform. Strong grasp of data structures, algorithms, and system design; thrive in agile, cross-functional teams.

EXPERIENCE

[Tint | Travel Tech Startup](#) · Founding Engineer

Apr 2026 – Present

- **Owned end-to-end system design of a live travel platform**, async FastAPI on Railway with Neon Postgres, Upstash Redis for rate limiting and session caching, and AWS S3 with presigned URLs for private media; built a three-stage AI pipeline (Tavily search → OpenAI generation → Pexels enrichment) with HTTP 202 async polling, achieving ~70% reduction in perceived wait time; benchmarked GPT models head-to-head and migrated to gpt-5.4-mini for an 86% cost reduction and 20% latency improvement.
- **Architected a three-principal JWT system (consumer/admin/partner) with independent HMAC secrets**, Twilio phone OTP for consumers, bcrypt + TOTP 2FA for admins, invite-only partner onboarding with field-level encryption on sensitive KYC data; built a supply-side CRM for hosts, guides, and agencies with a status-gated workflow, S3 document management, and a self-service partner portal on a dedicated subdomain.
- **Built and shipped a full internal admin platform (Next.js 16, AWS Amplify)** with three-tier RBAC (super/ops/support admin), trip and booking management, direct-to-S3 image uploads, and role-gated user lifecycle controls; implemented live analytics using SQLAlchemy date_trunc time-series aggregation surfaced as sparkline charts, resolved a subtle ORM bind-parameter collision in GROUP BY expressions, and shipped with zero-downtime deploys via GitHub Actions CI/CD.

[2070 Health | Healthcare Platform](#) · Full Stack Developer (Contract)

Jan 2026 – Apr 2026

- **Reduced page load time by 40%** across 50+ pages via SSR migration and SEO overhaul in an agile sprint cycle — improving organic rankings for a distributed platform with 10,000+ active users.
- **Built end-to-end appointment booking system** covering OTP auth, live EHR sync, Razorpay payments, and Salesforce CRM — eliminating manual ops. Caught a Docker misconfiguration silently routing production traffic to staging before any user impact.

[Kuzushi Labs | AI Startup](#) · Freelance Software Engineer

Nov 2025 – Mar 2026

- **Shipped 2 production websites from scratch** (Next.js 16, GSAP, Three.js, Framer Motion) on time with zero post-launch bugs; 60% video load reduction via Cloudinary migration, improving Core Web Vitals across both sites.

PROJECTS

[git-newspaper, Victorian Broadsheet CLI from Git History](#)

Apr 2026

- Open-source npm CLI, trended on r/coolgithubprojects and r/node within 24 hrs; 100+ GitHub stars and 500+ downloads with zero marketing. Detects 9 commit archetypes, renders typeset broadsheets with SVG charts. No LLM dependency, fully offline.

[newsforge, Autonomous AI News Digest Agent](#)

May 2026

- LangGraph agent (Search → Filter → Summarize → Deliver) running daily via GitHub Actions, processes ~40 articles per run for under \$0.20/month using GPT-4o-mini, Tavily, SendGrid, and Twilio.

[CipherLens, Classical Cipher Identification via ML](#)

2025 – 2026

- B.Tech capstone: 3 models (Hybrid CNN, char-level DL CNN, two-stage XGBoost) on 550k samples, 79.24% accuracy on 22 cipher types. Full system design: FastAPI + PyTorch + Next.js 16 + Docker Compose.

EDUCATION

[Indraprastha Institute of Information Technology, Delhi](#) · B.Tech, Computer Science and Engineering

2022 – 2026

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, C++, SQL strong in data structures & algorithms

Backend & Systems: FastAPI, Node.js, REST APIs, microservices architecture, async patterns, Redis, PostgreSQL (Neon), MongoDB, Firebase, unit testing

Frontend: React.js, Next.js 16, TailwindCSS, Zustand, Framer Motion, GSAP, Three.js

AI / ML: GPT-5.4 mini, LangGraph, LangChain, OpenAI API, PyTorch, XGBoost, Tavily

Cloud & DevOps: AWS (Amplify, S3), Railway, Docker, Nginx, GCP, GitHub Actions CI/CD, Git, Agile workflows

ACHIEVEMENTS

- Qiskit Global Summer School, IBM Quantum Computing 2024, selected for competitive international quantum ML program