

TASHIF AHMAD KHAN

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Full Stack Engineer · Delhi, India

SKILLS

Languages: Python, JavaScript, Go

Frameworks: Next.js, React.js, React Native, Node.js, Astro, FastAPI, Redux, LangChain, Framer Motion

Databases: PostgreSQL, MongoDB, OpenSearch, SQLite

Tools: Git, Docker, Vercel, Codeberg, Tailscale, Nginx, AWS

EXPERIENCE

SITG France

April 2026 – Present

Software Development Engineer

- Own the compliance AI pipeline end-to-end; extended it to new regulatory frameworks and certificate scopes.
- Built a real-time notification system (SSE + SMTP + Slack) monitoring Bugzilla, Google Groups, CCADB, and Regulatory Ballots for same-day compliance surfacing.
- Built a continuous regulatory review pipeline; GitHub Bot reviews measure the impact of regulatory changes on CPS/Compliance Documents, powered by an internal Graph RAG LLM for compliance audits on Ballot releases and Governing Document updates.
- Scraped live Google Groups, ballot releases, CAB Forum BR updates, and Root Policy GitHub Releases to build an active monitoring system with Graph RAG LLM orchestration.

SITG France

Nov 2025 – May 2026

Software Development Intern

- Built the pipeline the current role now owns: Django/Python converting hierarchical PDFs to Markdown and extracting structured compliance statements.
- Ran LLM workloads async via Celery, Redis, and Kafka so a slow document never blocks a request.
- Added semantic search on OpenSearch + PostgreSQL mapping conformance statements to regulatory standards.
- Shipped the first Next.js dashboard with Auth0 for compliance radar metrics.

UNICLOUD

May 2025 – July 2025

Software Development Intern

- Shipped 3 React modules (video tracking, shapefile download, block change/edit page) for a live IRCTC project covering vendor progress monitoring.
- Wrote FastAPI REST APIs with JWT auth on PostgreSQL.
- Automated DB migration cron jobs; added Block Change Alerts for approvers via SMTP and web push.

SELECTED PROJECTS

Agentic Browser

FastAPI, LangChain, LangGraph, React, TypeScript, MCP, Docker, WebExtension APIs

[Live](#) · [GitHub](#)

- Built a model-agnostic automation platform where AI agents plan, execute, and verify actions on any website, through FastAPI and MCP.
- LangGraph coordinates multiple agents with tools for web search, content extraction, and Google Workspace tasks.
- One dual-mode server serves both REST endpoints and Model Context Protocol clients.

TalentSync AI

Next.js, TypeScript, FastAPI, LangChain, LangGraph, PostgreSQL, FastStream, Kafka, Redis, Docker

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- Resume analysis, job category prediction, and a pre-vetted talent dashboard for employers.
- LangChain + RAG + LangGraph generate personalised cold emails, interview questions, and answer frameworks.
- Parsing layer extracts structured data from raw resumes to drive job-category prediction.

CodeTrace & Stats APIs

React, TypeScript, TanStack Start, Supabase, Python, FastAPI, Redis, Docker

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- Coding-profile dashboard pulling stats from GitHub, LeetCode, Codeforces, GeeksForGeeks, CodeChef, HackerRank, and takeUforward into one shareable page.
- Per-platform deep-dive pages with charts for rating history, difficulty breakdowns, and language profiles. Daily submissions from every platform land in one activity heatmap.
- Built REST APIs for each platform (LeetCode, GitHub, GFG, TakeUForward, HackerRank, CodeChef, CodeForces).

JIIT Tool Suite

React, Next.js, Python, Flask, Pyodide, MongoDB

[Live](#) · [GitHub](#)

- JIIT doesn't really do tech. Timetables lived in random PDFs, attendance was invisible until it already mattered, and companies visited campus while eligible students found out through WhatsApp groups. This suite exists because nobody at the university was going to build it.
- JPortal (React PWA, 18k+ users) with Pyodide PDF parsing, so marks render on a phone.
- Timetable used by 6.5k+ students; Mess Menu with daily/weekly meal plans, 5.2k+ readers.

Home Lab

Docker, Docker Compose, Linux, Bash

[GitHub](#)

- 20+ self-hosted services on Docker: Nextcloud, Jellyfin, OnlyOffice, Forgejo, SearXNG, Homarr. One Compose file keeps the stack reproducible.
- Media pipeline: Prowlarr/Sonarr/Radarr/Lidarr/Readarr feed qBittorrent through FlareSolverr; Seerr handles requests and Tdarr transcodes overnight so storage stays sane.
- A custom FastAPI dashboard tracks service health, container restarts and Tailscale devices, with uptime pings that catch a failed service early.

F-Droid Apps

React Native, Expo, EAS Build, Android, F-Droid

[F-Droid](#) · [GitHub](#)

- Run a self-hosted F-Droid repo at tashif.codes/fdroid with 3 signed apps. Add it once, get updates automatically.
- Paisa keeps the ledger on the phone. It parses bank SMS on device for 100+ Indian banks. SMS never leaves the device, and you can bring your own key for statement imports.
- Patchwork is the task manager I actually use. CalDAV and Nextcloud Deck boards, AI draft from a photo or note, GitHub issues, and widgets that stay quiet until you need them.

EDUCATION

Jaypee Institute of Information Technology

2022 - 2026

B. Tech Electronics & Communication

CGPA: 7.4/10.0

Delhi Public School, R. K. Puram

2018 - 2022

CBSE XII – 94.6% · CBSE X – 94%

POSITIONS OF RESPONSIBILITY

Treasurer & Senior Advisor

2024 - Present

Optica Student Chapter JIIT

- Organised a flagship HC Verma talk with ~4,000 participants, on and off campus.
- Ran a comedy open mic that drew ~3,000 participants.

Mentor

2023 - Present

The Jaypee Debating Society

- Coach the junior cohort on debate strategy.

Organising Secretary & Cofounder

2023 - 2024

Jaypee Parliamentary Debate

- Started the inaugural inter-college debate (JPD 1.0) with 52 external teams; it now runs as an annual event.

Core Executive

2019 - 2020

JOUST'23 | Parola Literary Hub

- Helped run one of India's largest literary festivals (500+ paid participants, Rs 700k revenue).