

ADEED KHAN

Full Stack Web Developer

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Summary

Driven Full-Stack Developer and B.Tech CS & IT student at AKGEC. Hackathon winner (3rd/700+ teams) with production-grade experience building scalable MERN, Next.js, and AI-integrated platforms. Skilled in high-fidelity frontends and secure backend architectures.

Skills

Frontend: React.js, Next.js, Redux Toolkit, Tailwind CSS, Shadcn UI, TanStack Query, Zustand, TypeScript, JavaScript (ES6+), Vite

Backend & DB: Node.js, Express.js, MongoDB Atlas, PostgreSQL, Prisma, Supabase, REST APIs, JWT, OAuth, Clerk

Tools: Git, GitHub, Postman, Vercel, Render, Cloudinary, SendGrid, C++, Python, OOP in Java, DSA, System Design

Experience

Machine Learning Centre of Excellence (MLCOE)

Sep 2025 – Present

Full Stack Lead / Core Developer (Technical Internship)

Ghaziabad, India

- Delivered **99.9% uptime** across 3+ high-traffic portals during peak registration surges by architecting fault-tolerant Express.js backends with load-aware API routing and proactive schema optimization.
- Cut frontend product cycle time by **25%** by engineering a reusable Tailwind CSS + Vite component library, standardizing UI patterns and eliminating redundant build overhead across all portals.
- Reduced backend API latency by **20%** via PostgreSQL schema refactoring, N+1 query elimination, and hardening multi-provider JWT/OAuth flows surfaced through systematic Postman load testing.

Projects

AwadhLease – AI-Powered Property Management Platform | *React.js, FastAPI, MongoDB, Redis, OpenAI, Gemini, JWT* GitHub

- Engineered an end-to-end AI-native rental marketplace (property discovery, onboarding, rent tracking) leveraging **Redis caching** to handle concurrent multi-role sessions with ~40% latency reduction on repeat queries.
- Automated maintenance triage with a **Gemini-powered complaint classifier** that categorizes issues by severity, cuts manual landlord review time, and auto-generates repair cost estimates at 85%+ category accuracy.
- Delivered real-time occupancy trends and revenue forecasting via an **OpenAI-backed analytics assistant** with conversational property insights through a unified dashboard.

Synapse – Multi-Model AI Chat Platform | *Next.js, TypeScript, OpenRouter, Vercel AI SDK, Better Auth, Prisma, PostgreSQL* GitHub

- Architected a production-grade multi-LLM chat platform routing sessions through **OpenRouter's unified API**, enabling zero-rework model-switching across providers without frontend changes per model addition.
- Achieved **sub-100ms perceived response latency** via real-time token streaming with the Vercel AI SDK, eliminating UI thread blocking during long-form generation at scale.
- Fortified auth security with **Better Auth + OAuth**, Prisma ORM session management, and PostgreSQL-backed token storage, eliminating session fixation vulnerabilities across multi-provider login flows.

TalentLoop – Full-Stack Recruitment Platform | *React.js, Node.js, Express.js, MongoDB, Redux Toolkit, JWT, Cloudinary* GitHub

- Reduced async API response time by **30%** by restructuring Express.js route handlers with **Promise.all** and parallel resolution, eliminating sequential bottlenecks in candidate and job-fetch pipelines.
- Enforced **zero privilege-escalation** by implementing RBAC across MongoDB-backed dashboards with JWT cookie sessions scoped to role-specific route guards on both client and server.
- Streamlined media ingestion for **1,000+ job postings** via Cloudinary's upload API with automated transformation pipelines, offloading processing from Express and cutting media-related response overhead.

GameRecommender – ML-Based Recommendation Engine | *React.js, Flask, Python, RESTful APIs* GitHub

- Led a **6-member team** to deliver a content discovery engine pairing a Flask ML backend with a React frontend, surfacing personalized game recommendations through a dynamic, filter-driven dashboard.
- Optimized cross-layer payload exchange via **API response schema compression and selective field projection**, cutting dashboard initial load time by ~35%.

Achievements

- 2nd Runner-Up (3rd / 700+ teams)** – GeeksforGeeks Vision X national-level Hackathon.
- 4th Place** – Agentic Premier League (APL) 2026, GDG Lucknow; built AwadhLease in a competitive sprint.
- Top 5 Finalist (1,500+ teams)** – HackIndia Spark 6, NIT Delhi; shipped a full product in a 36-hour sprint.
- LeetCode:** Solved 100+ DSA problems in C++.

Education

Ajay Kumar Garg Engineering College (AKGEC), Ghaziabad
B.Tech in Computer Science and Information Technology

Expected May 2028
CGPA: 7.85 / 10.0