

LAKSHYA KAMAL PRAKASH

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PROFESSIONAL EXPERIENCE

Telecrm (Flamon Cloudtech Pvt. Ltd.) — Gurugram, Haryana, India

Jan 2025 – Present

Software Engineer

- **MCP server:** built on Telecrm's app server exposing enterprise-creation workflows as callable tools for conversational provisioning via AI coding agents.
- **AI Call & Lead Summarization:** LLM-based system cutting insight generation from **1 week to 30 minutes** across **1,095 enterprises** with 24/7 caller recording analysis.
- **Customer Success Chatbot:** built with LangGraph + RAG, autonomously resolving **82.5%** of post-onboarding tickets.
- **Telecrm Intelligent Assistant:** built with OpenAI Agents SDK, letting **70,000+** users query CRM data conversationally.
- **Backend APIs:** coordinated with team on APIs serving **7,000+ DAU** (~10–20 RPS peak at core endpoints).
- **Custom Actions feature:** implemented end-to-end (Angular, TypeScript, Node.js), focused on HLD/LLD and scalability.

Stealth Startup — Delhi, India

Feb 2024 – Jun 2024

Web-Development Teaching Assistant

- Taught JavaScript, HTML/CSS, MySQL, MongoDB, Express, Node, and React; rated **4.32/5** by students.
- Integrated real-world CRUD examples into curriculum, lifting project completion rates by **18%**.

EDUCATION

Z.H.C.E.T, Aligarh Muslim University — Aligarh, U.P., India

Dec 2021 – May 2025

Bachelor of Technology in Artificial Intelligence (CPI: **9.103**)

- Silver Medalist; one of the first IndiaAI Fellows.

PROJECTS

URL Shortener & Link Analytics Platform — TypeScript, Express 5, Prisma, PostgreSQL, Angular 20 | [Live](#) | [Repo](#)

- Full-stack platform: **28 REST endpoints** across **6 modules** (layered controller → service → repository) with a **16-component** Angular 20 SPA using standalone components and signals.
- JWT auth with short-lived access tokens and rotating refresh tokens (SHA-256 hashed, httpOnly cookies); single-flight refresh prevents stampedes on concurrent 401s.
- Privacy-preserving click analytics via salted SHA-256 IP hashes, enriched with user-agent + GeoIP for device/browser/OS/country breakdowns.
- Hardened public redirect path: protocol allowlisting (blocks javascript:/data: XSS), private-IP filtering (SSRF), reserved-alias list, and IP+account-keyed rate limiting.

Deep Learning for Facial Recognition in Secure Attendance Tracking with Anti-Spoofing — Python, CNN, Machine Learning, OpenCV | [Paper](#)

- Published, IEEE OTCON 2025. End-to-end system (Deep CNN, HOG, FaceNet embeddings, SVM classifier) achieving **94.97% accuracy** on a real-time dataset of **2,500 students**.
- Integrated FASNet-based anti-spoofing to detect photo/video spoof attacks via per-frame probability scoring with binary cross-entropy loss.
- Trained/validated on the LFW benchmark; real-time DB sync enabled automatic spreadsheet generation and multi-device attendance access.

Wanderlust — Travel Accommodation Marketplace — Node.js, Express, MongoDB, Mongoose, EJS | [Live](#) | [Repo](#)

- Full-stack Airbnb-style marketplace (MVC) spanning **14 route handlers** and **11 server-rendered EJS views** with reusable layouts/partials.
- Session-based auth via Passport.js, persisted in MongoDB (connect-mongo) so logins survive restarts, with post-login redirect restoration.
- Resource-level authorization middleware (isLoggedIn, isOwner, isReviewAuthor) enforced server-side on every mutating route.
- Centralized Joi validation, custom ExpressError class, and an async wrapper routing all rejected promises into one error middleware.

SKILLS

- **Programming Languages:** Java, JavaScript/TypeScript, Python
- **Technical Subjects:** Data Structures & Algorithms, Database Management Systems, Low/High Level Design
- **Frameworks & Libraries:** Angular, Node.js/Express, NestJS, Spring Boot, Pandas, NumPy, Matplotlib, PyTorch, TensorFlow
- **Databases & Caching:** MongoDB, MySQL, PostgreSQL, Redis
- **Cloud & DevOps:** Amazon Web Services, Docker
- **AI & Machine Learning:** Machine Learning, Data Science, Deep Learning, Generative AI