

Abhishek Kasaudhan

+91-8423459515 | kasaudhan622@gmail.com | linkedin.com/in/abhishek-kasaudhan |
github.com/abhishekkasaudhan45 | abhishektech.me

SUMMARY

Full-Stack MERN Developer and B.Tech Computer Science graduate (2026) with 3 deployed web and mobile applications featuring secure REST APIs and AI/LLM integration. Proficient in React.js, Node.js/Express, MongoDB, and TypeScript, with hands-on experience in machine learning using Python and Scikit-learn. Seeking an entry-level Software Engineer role focused on full-stack or AI-enabled product development.

EDUCATION

Babu Banarasi Das University Lucknow, Uttar Pradesh
Bachelor of Technology – Computer Science and Engineering; GPA: 7.8/10.0 Sep. 2022 – Jun 2026
Relevant Coursework: Data Structures & Algorithms, Database Management Systems, Operating Systems, Computer Networks

EXPERIENCE

Data Science & AI Summer Trainee (Project-Based) Jun 2025 – Jul 2025
GRAStech / Learnovate, BBD University Lucknow, IN

- Completed an ISO-certified, project-based summer training in Data Science & AI, building hands-on ML workflows using **Python**, **Pandas**, and **Scikit-learn**.
- Applied **data preprocessing**, exploratory data analysis (EDA), and **regression modeling** on real datasets to build and evaluate predictive models.
- Gained exposure to industry-standard platforms (AWS, Microsoft, Cisco, Adobe) through the certified curriculum.

PROJECTS

TripNow | *React, Node.js, Express, MongoDB, Groq AI, JWT Auth* Jul 2025 – Aug 2025

- Built a full-stack **MERN** web platform generating personalized day-by-day itineraries from destination, dates, and budget via the **Groq LLM API**, reducing trip planning from hours to seconds.
- Developed a responsive React frontend with reusable components, lazy loading, and **React Query** caching; engineered secure **Node.js/Express REST APIs** with **JWT authentication** and RBAC on structured MongoDB schemas.
- Hardened the API with per-IP **rate limiting**, Zod validation, and strict CORS allow-list; deployed on **Vercel** + **Render** with PDF itinerary export. [[GitHub](#) | [Live Demo](#)]

FitLip — AI Personal Health Assistant | *React Native, Expo, JWT Auth, AsyncStorage, Node.js, MongoDB*
Sep 2025 – Jan 2026

- Sole frontend developer on a 4-member final year team; engineered the complete **React Native (Expo)** mobile UI across **15+ screens** with a modular component system, smooth native animations, and clean UI/UX.
- Built a real-time health dashboard (steps, water, sleep), AI nutrition chat with regional food support, and secure **JWT auth** with encrypted on-device storage (**AsyncStorage**).
- Collaborated on a full-stack **MERN** backend featuring RESTful APIs, role-based middleware, and MongoDB schemas generating personalized 6-day workout plans from user health metrics. [[GitHub](#)]

Smart House Price Prediction — ML Web App | *Python, XGBoost, Flask, PostgreSQL, Vercel, Render* 2025

- Compared **4 ML models** (Random Forest, XGBoost, Linear Regression, MLP) on 1,460 real Kaggle listings, achieving **$R^2 = 0.87$** with SHAP-based feature importance and $\pm 15\%$ confidence intervals.
- Built for production — **joblib compression** (74% smaller model), localStorage caching, cold-start retry logic, and dual-layer validation (client + server). [[GitHub](#) | [Live Demo](#)]

CERTIFICATIONS / ACHIEVEMENTS

- The Complete Full-Stack Web Development Bootcamp** — Udemy (Dr. Angela Yu), Apr 2026 (62 hours).
- Data Science & AI Project-Based Summer Training** — GRAStech / BBD University, Jun–Jul 2025 (ISO-certified).
- TripNow Live Deployment:** Fully deployed SaaS web app with real users, custom domain (tripnow.abhishektech.me), and PDF export feature.

TECHNICAL SKILLS

Programming Languages: C++, JavaScript, TypeScript, Python, Java

Frontend: React.js, Next.js, React Native (Expo), Redux, React Query, HTML, CSS

Backend: Node.js, Express.js, REST API, JWT Auth

Databases: MongoDB, Mongoose, SQL

AI / ML: Groq LLM API, Scikit-learn, Pandas, NumPy, EDA, Feature Engineering, Regression, NLP Fundamentals

Tools & Deployment: Git, GitHub, Postman, VS Code, Vercel, Render

Core Concepts: Data Structures & Algorithms, OOP, MVC Architecture, Rate Limiting, CORS, RBAC