

NITHIN K

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PROFESSIONAL SUMMARY

Software Engineer with full-stack and applied ML/GenAI experience across two internships. Built and deployed React/TypeScript web applications with Supabase authentication and Razorpay payment integration, and integrated the Gemini API into an Android app using Kotlin. Trained ML classifiers (XGBoost, Random Forest) achieving up to 87% accuracy, with related research published in IJCRT (2025).

TECHNICAL SKILLS

- **Languages:** Python, SQL, Kotlin
- **Databases:** Supabase, REST APIs, OAuth Authentication, Razorpay Payment Integration
- **Machine Learning:** Scikit-learn, XGBoost, Random Forest, Feature Engineering, Pandas
- **Generative AI:** Gemini API, Prompt Engineering, LLM App Integration
- **Data & Visualization:** Exploratory Data Analysis (EDA), Power BI
- **Mobile:** Android Studio, Kotlin, On-device AI Integration
- **Tools & Deployment:** Git, GitHub, Vercel, Jupyter Notebook

EXPERIENCE

MindMatrixEd — AI & Android App Development Intern

Feb 2026 – May 2026

- Integrated the Gemini API into an Android application built with Kotlin in Android Studio, using prompt engineering to power context-aware in-app features.
- Developed and tested Android modules with real-time AI/ML inference, automating in-app responses and collaborating cross-functionally to ship features on schedule.

Intellipaath — Data Scientist Intern

Sep 2025 – Feb 2026

- Trained supervised ML models — Random Forest, XGBoost, and collaborative filtering — for classification and regression on real-world datasets, achieving up to 87% accuracy.
- Ran EDA and feature engineering across 20+ features per dataset, then built end-to-end pipelines with a Power BI dashboard used for retention analysis.

PROJECTS

LumoroX Park — Peer-to-Peer Parking Marketplace

Sep 2025

React, TypeScript, Vite, Tailwind CSS, Supabase, Razorpay API | [Live Demo](#) [GitHub](#) [IJCRT Publication](#)

- Built a peer-to-peer parking marketplace with React, TypeScript, and Vite, enabling renters to browse and book private driveway spaces by the hour on a live map.
- Integrated Supabase for backend data and Google OAuth/email authentication, and Razorpay for payments with QR-code contactless check-in; related research published in IJCRT, September 2025 (ID: IJCRT2509236).

Telecom Customer Churn Prediction — 87% Accuracy (XGBoost)

Sep 2025

Python, Scikit-learn, Pandas, Random Forest, XGBoost, Power BI | [GitHub](#)

- Built an end-to-end ML pipeline to predict customer churn, running EDA on 20+ features and feature engineering; trained and compared Random Forest and XGBoost classifiers, reaching ~87% accuracy with XGBoost.
- Designed a Power BI dashboard visualizing key churn drivers (contract type, tenure, payment method) to support retention decisions.

LumoroX — Movie Recommendation Web App

Oct 2025

React (Vite), Tailwind CSS, JavaScript, Python, Pandas, Scikit-learn | [Live Demo](#) [GitHub](#)

- Built a full-stack movie recommendation app with a React/Tailwind frontend and a Python/Pandas/Scikit-learn recommendation engine suggesting movies by genre, rating, and viewing preferences.
- Implemented search by title/genre/rating and trending/top-rated modules in a fully responsive UI; deployed live on Vercel.

Sophia — AI-Powered Desktop Assistant

Nov 2025

Python, Tkinter, pyttsx3, SpeechRecognition, OpenWeatherMap API, SMTP | [GitHub](#)

- Built a desktop virtual assistant with voice and text input and 10+ integrated capabilities (weather API, messaging, email dispatch, system monitoring).
- Replaced eval() with AST-based command evaluation to remove code-injection risk, and used .env credential management.

EDUCATION

Bangalore Technological Institute (VTU) — B.E., Computer Science & Engineering 2022 – 2026
CGPA: 7.5

IIT Indore (via Intellipaat) — Data Science & AI Certification Mar 2025 – Jul 2026
Machine Learning, Deep Learning, AI Systems (16-month program)

CERTIFICATIONS

- Intellipaat, May 2026: Power BI, Python, Artificial Intelligence, Linux, SQL, and Microsoft SQL certifications
- Research Paper Publication — International Journal of Creative Research Thoughts (IJCRT), Sep 2025 | ID: IJCRT2509236