

DARSHIKA SAXENA

Nagpur, Maharashtra

☎ [+91-8435514330](tel:+91-8435514330)

✉ bt22cse088@iiitn.ac.in

🐙 [GitHub](#)

in [LinkedIn](#)

🔗 [LeetCode](#)

EDUCATION

Indian Institute of Information Technology Nagpur

B.Tech (Computer Science Engineering)

Nov 2022 – June 2026

Nagpur, Maharashtra

EXPERIENCE

Echoes

May 2025 – June 2025

Flutter Developer Intern

Remote

- Led frontend development of two cross-platform apps — **Reverb** (social-dating) and **Cirkle** (digital card POS platform) using **Flutter**, deployed to **iOS and Android**.
- For **Reverb**, implemented anonymous chat, event-based matching, and push notifications, enabling over **100+ user flows**.
- For **Cirkle**, developed features like card issuance, balance check, top-up, refunds, and POS-style ordering interface following structured app flow architecture.
- Tech stack: **Flutter, Firebase Auth, Firestore, MVVM Architecture, GitHub**, Node.js, MongoDB.

PROJECTS

Podcast Listening Time Prediction 🐙 | [XGBoost](#) | [Optuna](#) | [LightGBM](#) | [CatBoost](#) | [Streamlit](#)

- Built a regression pipeline to predict **podcast listening time** using **XGBoost**, trained on **750K+ samples**, evaluated via RMSE.
- Boosted model accuracy by **12%** using **Optuna** to auto-tune learning rate, depth, gamma, and regularization across 50 trials.
- Ensembled predictions using a **Dirichlet-weighted average** of XGBoost, LightGBM, and CatBoost to improve generalization and minimize overfitting.
- Developed an interactive frontend with **Streamlit** to accept inputs, preprocess features, and return real-time predictions.

StudySmart 🐙 | [Kotlin](#) | [Jetpack Compose](#) | [Room DB](#) | [Dagger Hilt](#)

- Developed a Study Tracker Android app using **Kotlin** and **Jetpack Compose**, helping users manage subjects, set study goals, and track sessions — achieving **95% task completion rate** during testing.
- Implemented offline-first architecture with **Room Database**, ensuring **100% data persistence** and reducing crash-related data loss by **90%**.
- Improved screen load times by **40%** and navigation latency by **30%** using **Compose Destinations** to streamline UI routing.
- Boosted code modularity and test coverage by **60%** by integrating **Dagger Hilt** for dependency injection.

AI-powered Coding Assistant Extension 🐙 | [JavaScript](#) | [Chrome Extensions](#) | [Gemini](#)

- Deployed Chrome Extension serving **10+ daily coding queries** per user via **Gemini API** and dynamic prompt tuning.
- Boosted contextual continuity by **100%** through persistent chat history across sessions.
- Streamlined user workflows by integrating Algozenith resources into a single UI panel.

TECHNICAL SKILLS

Languages: C++, C, Python, JavaScript, Kotlin, Dart, SQL, HTML, CSS

Frameworks/Technologies: Flutter, Node.js, Express.js, FastAPI, Jetpack Compose, REST APIs

Machine Learning: Scikit-learn, TensorFlow, Keras, NumPy, Pandas, Matplotlib, Optuna, Jupyter Notebook

Dev Tools: Git, GitHub, Postman, VS Code, Android Studio, Firebase Console

RELEVANT COURSEWORK

- Data Structures and Algorithms
- Application Programming
- Database Management Systems
- Object Oriented Programming
- Operating Systems
- Computer Networks

POSITION OF RESPONSIBILITY

WomenInDev Hackathon Lead - Tantrafiesta

Sep 2024 – Oct 2024

- Spearheaded Nagpur's first women-centric hackathon with **100+ participants** from **10+ institutes**, handling outreach, logistics, and event operations.

IIIT Nagpur