



Prathmesh Ojha

I am a CS student with hands-on experience in full-stack and AI/ML projects, a strong foundation in Data Science and machine learning, and a solid understanding of building scalable applications and managing high-impact events.

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EXPERIENCE

APP DEVELOPMENT INTERN | GETTING ROOTS

June 2025 – July 2025 | Gurugram, Haryana

- Developed a cross-platform Flutter application (iOS & Android) implementing Clean Architecture with domain, data, and presentation layers using Provider state management.
- Designed remote/local data flow with API integration, local caching fallback, and dependency injection, modularizing 8+ feature workflows (blogs, services, contact).
- Technology:** Flutter, Dart, Firebase, Provider, Git

PROJECTS

ANGEL FIVE | NEXT.JS, EXPRESS, TYPESCRIPT, FIREBASE, FLASK, TENSORFLOW

Full-Stack Financial Analytics Platform

- Architected a mono repo-based dashboard supporting 30+ equities with real-time NSE data and JWT + 2FA authentication.
- Implemented DSFM analytics including correlation matrices, PCA, and MPT-based portfolio optimization.
- Integrated 4 time-series models (LSTM, ARIMA, SARIMA, GARCH) via Flask micro-service achieving up to 85% forecast accuracy.

STRAY HAVEN | ANDROID, JAVA, FIREBASE

Rescue-to-Adoption Mobile Platform

- Developed a native Android app (10+ activities, 4 adapters) integrating Firebase Auth and Firestore for rescue, donation, and adoption workflows.
- Designed real-time user flows with structured data models and Google Sign-In authentication.
- Engineered advanced UI components including radial floating menu, auto-scrolling carousel, and shared element transitions.

BEAT.IT | NODE.JS, EXPRESS, FIREBASE, FIRESTORE

Full-Stack Music Streaming Platform

- Built a full-stack music platform managing 18 songs across 6 albums with search, favourites, and play-tracking via Firestore.
- Implemented role-based access control with 3+ auth flows and secured 8+ admin REST endpoints.
- Designed modular REST APIs with session-based middleware and structured database collections.

SKILLS

PROGRAMMING LANGUAGES

Proficient:

Python • JavaScript

Experienced:

TypeScript • Java • C++

Familiar:

Dart • SQL • C

FRAMEWORKS & LIBRARIES

Backend & Web:

Next.js • Express • Flask • TailwindCSS

Mobile:

Flutter • Android SDK

Data Science & ML:

Pandas • NumPy • Scikit-Learn • TensorFlow

DATABASES & PLATFORMS

Firebase • MongoDB • MySQL

CONCEPTS

DSA • OOP • RESTful APIs • Client-Server Architecture • MVC • Clean Architecture

TOOLS

Git • GitHub • npm • Figma

EDUCATION

BML MUNJAL UNIVERSITY

August 2023 - Present | Gurugram, Haryana, India

Bachelor's in Computer Science and Engineering

CGPA: 7.58

CERTIFICATIONS

CREDIT-LINKED PROGRAM IN DATA SCIENCE (ONGOING)

Daksh Gurukul, IIT Guwahati