

ADITYA YADAV

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PROFESSIONAL SUMMARY

Computer Science & Engineering student (B.Tech, expected May 2027) with hands-on experience building mobile, cross-platform, and AI-powered applications. Comfortable across Java, Kotlin, Swift, and Python, with practical grounding in data structures, algorithms, and system design from independent project work. AWS-certified with working knowledge of SQL databases and cloud deployment. A fast learner who enjoys collaborating, asking questions, and solving problems with attention to detail.

TECHNICAL SKILLS

Languages: Java, Kotlin, Swift, Python, SQL

Core CS: Data Structures & Algorithms, Object-Oriented Design, Basic System Design

Databases: SQL (relational schema design & querying)

Mobile: Android SDK, Jetpack Compose, SwiftUI, UIKit

AI / Machine Learning: PyTorch, OpenCV, On-device Inference

Cloud & DevOps: AWS (Certified), Firebase

Tools & Methods: Git, GitHub, Android Studio, Xcode

PROJECTS

WhyyCloud — Flutter · Dart · Hive · Local LLM · REST API · Android/iOS/macOS/Windows/Linux | [Website](#)

- Architected and built a privacy-first, cross-platform AI client shipping to Android, iOS, macOS, Windows, and Linux from a single codebase.
- Implemented local LLM inference and on-device storage (Hive), applying core data-structure and algorithmic thinking to keep response handling efficient and memory-safe.
- Designed configurable generation settings and REST API integration, working through the full architecture from data layer to UI.

NetBar — Swift · SwiftUI · macOS | [Website](#)

- Built a lightweight macOS menu-bar utility for real-time network throughput monitoring.
- Designed a native SwiftUI interface optimized for minimal resource usage and running without elevated permissions.

Custom Image Classifier — Python · PyTorch · Flask · OpenCV · REST API · CLI | [GitHub](#)

- Built an end-to-end framework to train custom image classification models via a web UI or CLI, with no code required from the end user.
- Designed a custom CNN architecture (conv layers, batch normalization, dropout) with automatic data preprocessing, augmentation, and GPU-accelerated training.
- Exposed a REST API for training and inference, plus a CLI tool for automation and real-time training progress monitoring.

EDUCATION

Bachelor of Technology in Computer Science & Engineering

Expected May 2027

Parul University, Vadodara, Gujarat

Coursework: Data Structures & Algorithms, Database Management Systems, Object-Oriented Programming, Operating Systems, Software Engineering

CERTIFICATIONS

- AWS Certified Cloud Practitioner — Amazon Web Services (2024)
- AWS Academy Graduate, Cloud Foundations — Amazon Web Services (2025)
- Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate — Oracle (Aug 2025)
- Oracle Cloud Infrastructure AI Foundations — Oracle (2024)
- Artificial Intelligence Fundamentals — IBM (Sep 2025)
- AI Fundamentals with IBM SkillsBuild — Cisco (Sep 2025)