

Aadit Singal

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PROFILE

Final-year B.Tech Computer Science and Engineering student at VIT Bhopal University, specializing in AI and Machine Learning and proficient in mobile app development.

SKILLS

Programming Languages: Python, Java, Dart, Lua, Kotlin, MySQL

AI & Machine Learning: Computer Vision, Deep Learning (YOLOv8, CLIP), PyTorch, NLP

Mobile Development: Flutter, Firebase

Soft Skills: Collaboration, Problem-Solving, Critical Thinking

PROJECTS

VBAY - Marketplace App

Oct '24 - May '25

[Google Play Store](#) — [Repo](#)

Flutter, Firebase, OAuth, Cloud Functions, UX Design

- Launched college-exclusive 2nd-hand marketplace with verified signups, real-time chat, and approval-based listings.
- Achieved 900+ organic users across 2 campuses within 2 months with creator analytics and engagement tracking.
- Implemented comprehensive user profiles and social sharing capabilities for enhanced user experience.

AI-Powered Fashion Detection and Matching

June '25

[Repo](#)

Python, YOLOv8, OpenAI CLIP, FAISS, PyTorch, FastAPI

- Built computer vision pipeline using YOLOv8 and CLIP for automated fashion item detection and catalog matching.
- Achieved 82.9% mAP@0.5 on 2,600+ annotated images across 10 fashion categories.
- Developed FAISS-based matching system for 1,000+ catalog products with real-time similarity search capabilities.

Flight Price Tracker

June '22

[Repo](#)

Python, Amadeus API, Sheety, Twilio, SMTP

- Built automated flight price monitoring system that tracks deals via Amadeus API and sends multi-channel notifications (SMS, WhatsApp, email) when cheaper prices are detected.

EXTRACURRICULAR

STARTUP CLUB

March '24 - March '25

Founding Member

- Organized 7+ events including ideathons and mentor sessions, cumulatively engaging 500+ students and supporting early-stage entrepreneurial ideas within the university ecosystem.

EDUCATION

VIT BHOPAL UNIVERSITY

2022 - 2026

B.Tech in CSE with specialization in AI & ML

Current GPA: 8.09 (6th Sem)

MODERN DELHI PUBLIC SCHOOL

2013 - 2022

Active member of the Coding Club

10th - 91.2%, 12th - 83%

ACHIEVEMENTS

Vision for Viksit Bharat 2047 National Research Scholar VIVIBHA '24

Won WritItUp 2024 by GeeksForGeeks

CERTIFICATIONS

COURSERA - Applied Machine Learning in Python by the University of Michigan

NPTEL - Privacy and Security in Online Social Media

IBM - Gen AI, Blockchain Fundamentals & Developer