

Aadit Singal

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PROFILE

Driven and intellectually curious third-year B.Tech student specializing in Computer Science and Engineering with a deep focus on Artificial Intelligence and Machine Learning. Eager to apply my technical skills and innovative mindset to develop cutting-edge solutions and gain valuable industry insights.

SKILLS

PROGRAMMING LANGUAGES | Python • Java • Dart • Lua • C++ • Kotlin • MySQL

WEB DEVELOPMENT | ReactJS • Next.js • Bootstrap • HTML • CSS (including Tailwind CSS)

MOBILE DEVELOPMENT | Flutter

DEVELOPMENT TOOLS | VS Code • Android Studio • GitHub • Firebase

SOFT SKILLS | Collaboration • Problem-Solving • Critical Thinking

PROJECTS

SKYSCANNER PROTOTYPE / SELF

Python • APIs - Amadeus/Duffel • Sheety • Twilio

- Developed a real-time [flight information service](#) to fetch details on the cheapest flights, integrated with a data management system for seamless updates and instant user notifications.

IMAGE TO TEXT CONVERSION MODEL / PROJECT I

Python • Tesseract OCR • OpenCV • NLP • Machine Learning

- We developed an OCR system integrating advanced image processing and NLP for accurate text extraction from diverse image formats.

SARASWATI CHATBOT / PROJECT II

MERN Stack • Retrieval-Augmented Generation

- We developed Saraswati Chatbot integrating RAG with LLM, powered by MERN Stack, enhancing user interactions through dynamic data retrieval and generation.

EXTRACURRICULAR

STARTUP CLUB | CO-FOUNDER | MAR '24 - TILL DATE

- Established to cultivate a vibrant startup culture at VIT Bhopal University, organizing ideathons and pitching events that pave the way for incubation opportunities.

VITBMUN CLUB | TECHNICAL LEAD & PR MEMBER | MAY '23 - TILL DATE

- Created [Club Website](#), developed [Spark AR filter](#), secured sponsorships, managed events, and implemented promotional strategies for the events.

HUNCH | CAMPUS AMBASSADOR | MAY '24 - JUN '24

- Promoted Hunch app on campus driving business growth.

EDUCATION

VIT BHOPAL UNIVERSITY (2022-2026)

- BTech in CSE with Specialisation in AI & ML
- Current GPA: 8.09 (till 3rd year)

MODERN DELHI PUBLIC SCHOOL

- 10th - 91.2%
- 12th - 83%

CERTIFICATIONS

COURSERA - Applied Machine

Learning in Python by the University of Michigan

NPTEL - Privacy and Security in Online Social Media

VITYARTHI - Python Essentials

MATLAB - MatLab & Simulink Onramp

COURSEWORK

- Data Structures and Algorithms
- Database Management Systems
- Computer Networks
- Probability and Statistics for Engineers
- Object-Oriented Programming
- OPERATING SYSTEMS - LINUX/UNIX

ACHIEVEMENTS

- Vision for Viksit Bharat National Research Scholar VIVIBHA '24
- Won WriteltUp 2024 by GeeksForGeeks