

# Atharva Date

Phone- 9987377889 | Email- [b22ai045@iitj.ac.in](mailto:b22ai045@iitj.ac.in)

GitHub- <https://github.com/ADIITJ/>

## Education:

---

- Indian Institute of Technology Jodhpur (IIT j): Pursuing Btech – Artificial Intelligence and Data Science - Computer Science Engineering [2022-2026]
- Jee Advanced Rank: 2638
- 10<sup>th</sup> grade from Euroschool Airoli, ICSE score: 98 %

## Relevant coursework:

---

Data structures and algorithms, Pattern Recognition and Machine learning, Computer Architecture, Operating System, Computer Networks, Probability Statistics and Stochastic Processes.

## Project Experience:

---

- From scratch RAG Prompt Generator: Developed a prompt generator to enhance question answering accuracy by generating prompts from user-provided context. [GitHub](#)
- Wikipedia Information Extraction and RAG Prompt Generator: This from-scratch project uses web scraping to collect important data from Wikipedia search results. RAG Prompt Generator uses extracted data to improve question accuracy. [GitHub](#)
- Object Recognition using primitive methods from scratch methods [Github](#)
- Face Detection System with Webcam: Implemented a live face detection system using webcam feed, showcasing proficiency in computer vision techniques. [GitHub](#)
- Retrieval Chatbot with Custom Input: Created a retrieval-based chatbot enabling interactive conversations with customizable input. [GitHub](#)
- Computer Vision for Apparel Identification: Utilized computer vision techniques to identify various types of apparel, demonstrating practical application in AI. [GitHub](#)
- Engineered a railway logistics system for PRC facilitating freight car movement and parcel routing using BFS and DFS algorithms. Managed parcel sorting, ensuring fault-tolerant deliveries, reinforcing my skills in graph theory.
- Created a Metro Route Path Finder using graphs for Delhi Metro commuters. The software calculates optimal routes considering fares and multiple lines, honing my skills in graphs.

## Leadership & Outreach:

---

- **Google Developer Student Club** - IIT Jodhpur (2023 - Present): Led an introductory session on AI for over 100 first-year students, fostering their interest in technology.
- **TEDx IIT Jodhpur Curation Team** (2023 - Present): Assistant Head, responsible for speaker selection and event logistics, ensuring a successful talk.
- **Prometeo - Techfest IIT Jodhpur** (2022-2023): Played key roles in Entrepreneurial Events, Guest Relations, and Marketing contributing to the success of the festival.

## Entrepreneurship & Innovation:

---

- **E-Cell IIT Jodhpur** (2022-2023): Executive member, actively involved in promoting entrepreneurship and innovation among students.
- **IIT Bombay E-Summit** (2023): Participated in the Innovation & Incubation track, showcasing entrepreneurial potential and networking with industry leaders.
- **Techfest IIT Bombay Innovation Challenge** (2018): Secured 11th rank in the prestigious competition, demonstrating strong problem-solving and creative skills.

## Skills:

---

- **Programming Languages:** Proficient in C, C++, Python and java.
- **Machine Learning and Neural Networks:** Experience building ML models and neural networks in Python.
- **Communication and Presentation:** Strong communication skills and an aptitude for conveying complex ideas effectively.
- **Problem-solving and Analytical Abilities:** Proven track record in solving intricate problems with an analytical approach.