

# Mohit Pareek

☎ (+91) 7357991443 ✉ [prkmohit14@gmail.com](mailto:prkmohit14@gmail.com)  [Mohit Pareek](#)  [mohit-pareek09](#)  [Website](#)

## EDUCATION

### Indian Institute of Technology, Jodhpur

Pre-final year B.Tech student in Mechanical Engineering; CGPA: 7.43

Karwar, Rajasthan

Oct 2022 – Present

### Bagaria Bal Vidya Niketan, Laxmangarh

Class 12 - PCM, Percentage: 92.40%

Sikar, Rajasthan

2021

## PROJECTS

### MDrive: Secure Cloud Storage Web Application [\[GitHub\]](#) [\[Website\]](#)

04/2025 – 05/2025

- **Tech Stack:** Node.js, Express.js, MongoDB, EJS, Tailwind CSS, Flowbite, Cloudinary API, Render
- Developed a full-stack cloud storage platform using **Node.js**, **Express.js**, and **MongoDB**, enabling secure file uploads, management, and downloads.
- Designed a responsive frontend with **EJS**, **Tailwind CSS**, and **Flowbite** components, implementing drag-and-drop file uploads and dark mode support for enhanced user experience.
- Integrated **Cloudinary API** for efficient file storage and implemented **JWT-based authentication** with bcrypt for secure user access.
- Deployed on **Render**, configuring environment variables for seamless performance and scalability.

### Calling Assistant Bot [\[GitHub\]](#)

07/2024 – 11/2024

- **Tech Stack:** Python, AssemblyAI, ElevenLabs API, Google Gemini AI, PyPDF2, Pyaudio, Pygame
- Built an AI-powered voice assistant for IGNUS (IIT Jodhpur's cultural fest) that conducts natural conversations with users using speech-to-text, generative AI, and TTS.
- Achieved **95%+ response accuracy** across 500+ user interactions, Reduced manual effort by **70%** through automated query handling and event info extraction from PDFs.

### IITJ Chatbot: [\[GitHub\]](#)

10/2023 – 03/2024

- **TechStack-** LLM, Flask, Python, React, LlamaIndex, LangChain
- Developed an AI-powered interactive assistant using **Flask** and the **LlamaIndex** Python library for Retrieval-Augmented Generation (**RAG**) implementation.
- Integrated **Google's PaLM** text model as the large language model (**LLM**) for answering queries and **GPT4All** embeddings for vector-based search, achieving **85% query accuracy**.
- Implemented a document indexing system to process and store college-related information in a persistent context for accurate and efficient query resolution.

## RELEVANT COURSES

Introduction to Machine Learning (CSL2010), Deep Learning, Data Structure and Algorithms (CSL2020), Introduction to Computer Science (CSL1010), Full-Stack Web Development Bootcamp [\[Certificate\]](#)

## TECHNICAL SKILLS

**Programming Languages:** Python, C/C++ ,Javascript

**Frameworks & Libraries:** Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, React.js, Node.js, Express

**Web & Database:** HTML, CSS, Bootstrap, JavaScript, jQuery ,MongoDb, PostgreSQL

**Developer Tools:** Git, MySQL, VS Code, Windows, Google DialogFlow

## ACHIEVEMENTS

- Secured **Top 0.01%** in the IIT-JEE examination (Rank among 1.2 million candidates) in 2022.
- DSA - Solved **250+** Data Structures and Algorithms (DSA) problems on platforms like LeetCode/GeeksforGeeks.

## POSITIONS OF RESPONSIBILITY

- **Core Member- Boltheads (Automobile Club, IITJ)** (2023 – Present): Spearheaded automotive prototype design, collaborated with cross-functional teams to organize technical workshops and events, enhancing engagement by 30%.