



**Mayank Srivastava**  
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## EDUCATION

Degree	Institute/Board	CGPA/Percentage	Year
B.Tech (Chemical Engineering)	IIT Jodhpur	6.69	2021-2025
Senior Secondary	CBSE Board	94%	2020

## EXPERIENCE

### App Development Intern

Remote

*Dobliyal and Shah International pvt. ltd.*

Nov 2024 – Jan 2025

- Tech Stack React Native, JavaScript, Node.js, MongoDB.
- Assisted in developing a construction management application to streamline task allocation and tracking.
- Implemented a task management system where tasks are assigned to a list of laborers.
- Designed a status tracking feature allowing tasks to be marked as Done or Pending.
- Developed a dependency system that automatically reschedules dependent tasks if a task is delayed.
- Optimized backend logic for seamless task updates and scheduling adjustments.

## PROJECTS

### News Chatbot

GitHub Repo / Live App

*Technologies: React, Flask, Redis, Qdrant, Jina Embeddings, Google Gemini*

Apr 2025

- Made an AI Chat bot, which can deliver latest news
- Used Flask for the backend development.
- Made use of Jina embedding to create embeddings of News Articles and Prompts.
- Stored the Embeddings in Qdrant vector store.
- Created the UI using React and tailwindCss

### PDF-Bot

GitHub Repo

*Technologies: Streamlit, LangChain, Ollama, PDFPlumber, In-Memory Vector Store, Ollama Embeddings*

Feb 2025

- Built an AI chatbot that answers questions from uploaded PDF documents using RAG
- Developed the interface using Streamlit, with customized styling for a chat-like experience.
- Generated pdf embeddings using Ollama Embeddings and stored them in an In-Memory Vector Store.
- Used PDFPlumber to extract text from uploaded research PDFs.

### Translation Tool

GitHub Repo

*Technologies: FastApi, PostgreSQL, Jinja2Templates, HTML, CSS, DeepSeek*

Mar 2025

- Made a Translation App which uses Deepseek to generate translation of a sentence into required language
- Used FastApi framework to make the backend and HTML, CSS for UI

## TECHNICAL SKILLS

- Programming: C/C++, Python, JavaScript, Java.
- Tools & OS: Git, Docker, Jupyter Notebook, Google Colab, Linux, Windows, LangChain
- Libraries/Frameworks: Pandas, NumPy, Scikit-learn.
- Web Development: HTML, CSS, JS, React, React Native, Node.js, Express.js, Flask, FastAPI.
- Cloud: AWS EC2, AWS EBS, AWS S3, AWS ELB.

## KEY COURSES TAKEN

- Data Structures and Algorithms, Machine Learning, Computer Science Basics.

## POSITIONS OF RESPONSIBILITY

### Festival Chief

*Prometeo '24 (Annual TechFest)*

Aug 2023 – Jan 2024

- Organized the annual technical and entrepreneurial fest of IIT Jodhpur, managing a budget exceeding 50Lacs and overseeing a team of over 300 individuals.

### Mentor

*Prometeo '25*

Oct 2024 – Jan 2025

- Guided students in event planning and management.