Shreyansh Gupta

+91-7024995713 | shreyguptaji007@gmail.com | Madhya Pradesh | Linked-in | GitHub

EDUCATION

Indian Institute of Technology, Mandi — 2022-2026
*Bachelor of Technology - **Computer Science and Engineering**; CGPA: 8.64 (Till End Of 4th Semester)*

Relevant Courses: Data Structures and Algorithms , Linear Algebra , Mathematical Foundations of Computer Science , Data Science 1,2 and 3 , Design Of Algorithm, Deep Learning and its application, Database management system

Sanskar The Public School — Chhatarpur, Madhya Pradesh
Class XII - Percentage: 93 % (2022)

PROJECTS

Blogezzy | *React,TailwindCSS, Javascript, NodeJS, ExpressJS, MongoDB, TinyMCE* — GitHub Link
- Developed a Blogging full-stack web application using MERN stack
- Implemented responsive frontend, token based authentication, profile management, blog authorization
- Uses TinyMCE (open source text editor) for responsive layouts and multiple text editing options

DocBot | *StreamLit, OpenCV, Langchain, FAISS, Mistral, HuggingFace APIs* — App Link
- Developed a Chat-bot which reads and queries from documents and PDF provided by the user
- Uses mistral sentence transformer API to implement Retrieval-Augmented Generation (RAG)
- Implemented English document querying, responses with most relevant page number, displays history

3D Anatomy Completer | *TensorFlow, Denoising Auto-encoder, googleNet, resNet* — GitHub Link
- Optimize the existing baseline model for 3D anatomy completer with resNet and googleNet architecture
- Modified model outperforms baseline model with 87% accuracy increase in first 50 epochs
- Presented a GAN based approach, inspired by 2D to 3D image generation deep learning models

Finwiser | *React, Python, Javascript, NodeJS, ExpressJs* — GitHub Link
- Developed a finance management application with ReactJS, JavaScript and Python
- Manages user's finances, financial education, investement tips ,document and bill summarizer

TECHNICAL SKILLS

Languages: Python, C++, JavaScript, HTML/CSS
Frameworks: ReactJS, TailwindCSS, Bootstrap, NodeJS, ExpressJS, EJS (Embedded Javascript), Mongoose ODM, MongoDB, Appwrite, StreamLit, TensorFlow, PyTorch
Neural Networks: Transformer, Generative Adversarial Networks (GANs), Diffusion Models, Variational Auto-encoder (VAE), Convolutional Neural Networks (CNNs), resNet
Libraries: Pandas, Matplotlib, NumPy, Scikit-Learn, Tinymce, OpenCV

ACHIEVEMENTS

- Secured 3rd position in YAMAHA AI HACKATHON 3.0 organized by YAMAHA
- Ranked 6th in CP101 organized by Kamand Prompt, IIT Mandi
- Codechef Rating: 1445 (Till May, 2024)
- Secured All India Rank 2772 in JEE advanced 2022

POSITIONS OF RESPONSIBILITY

Head of sponsorship team for XPECTO 2023 - technical fest of IIT Mandi
Managing the sponsorship team and brought major leads — *2022-2023*

Core Team Member of UDC - Dance Club of IIT Mandi
Managing the choreography in the club — *2023-2024*