KAPIL

Dehradun , Uttarakhand

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EDUCATION

University of Petroleum and Energy Studies   **2023 − 2027**
*B.Tech - Computer Science and Engineering - **CGPA** - **7.91***   *Dehradun , Uttarakhand*

COURSEWORK / SKILLS

- Data Structures
- Operating Systems
- Computer Vision
- Machine Learning
- Transformers
- Deep Learning
- Generative AI
- NLP
- RAG
- FastAPI
- Linux
- LLM

EXPERIENCE

- **Student Developer at the OPEN Community** (Feb 2025 - Present)
- **Member of Google Developers Group (GDG) Gurugram** (Nov 2023 - Present)
- **Member of Google Developers Group (GDG) New Delhi** (Jan 2024 - Present)
- **Summer Intern at Self Reliant India** (June 2024 - July 2024) - Rewari, Haryana

PROJECTS

Dizziness Detection System ⬈ | OpenCV,Dlib,face-utils
- This System will detect drowsiness , sleepy using facial landmarks and eye blinking pattern.
- It uses the OpenCV and Dlib to track facial features.

NeoBot - An AI Chatbot ⬈ | Python,Flask,SQL,HTML,CSS,JS, Gemma API
- Built an LLM-based chatbot using Flask, SQL, and Gemma API (9B model). Implemented message cleanup in SQL for database efficiency. Enhanced user engagement through a responsive web interface.

To Do List Web App ⬈ | HTML,CSS,JS,BootStrap
- Designed and developed a task management web application to help users organize and track tasks efficiently.
- Implemented CRUD (Create, Read, Update, Delete) operations for seamless task management.

DeepFake Detection Model(Deployment Pending) ⬈ | Python , Deep Learning , Xception CNN
- Developed a deepfake detection model leveraging the Xception CNN architecture, achieving 80 percent accuracy in identifying manipulated media.
- Trained the model on a curated dataset of real and fake images/videos, optimizing it with data augmentation and transfer learning.
- Increased the accuray to 90 percent using the Dropouts and Early Stopping.

TECHNICAL SKILLS

Languages: C/C++ , Python ,Java , JavaScript , SQL , HTML5 , CSS3
Technologies/Frameworks: OpenCV , Flask , scikit-learn , TensorFlow , Spacy , NLTK, LangChain
Developer Tools: Google Colab , Anaconda Navigator , Git , Jira , Jenkins , Docker , Ansible , Gitlab

CERTIFICATIONS

- Introduction To Generative AI - Coursera
- Introduction To Data Science - Cisco Networking Academy

EXTRACURRICULAR

- ∗ Participated in the 21 **Days of Code** organised by UPES.
- ∗ Participated in the **CSA Hackathon 4.0** organised by UPES.