SUNNY KUMAR | kgpian121@gmail.com | 7668036766

MECH.ENGG. MANUF.SCIENCE & ENGG. (M.Tech Dual 5Y)
MICRO SPL. in ENTREPRENEURSHIP AND INNOVATION

EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2024	B.TECH+M.TECH Dual Degree 5Y	IIT Kharagpur	7.84 / 10
2018	CBSE Board	Shiksha Bharati School Khatima Uttarakhand	86.4%
2016	CBSE Board	Shiksha Bharati School Khatima Uttarakhand	9.8 / 10

PROJECTS

Book Recommendation System | Self Project   [Sept 2024]

- Built a book recommendation system using collaborative filtering and popularity-based methods with a Kaggle dataset, using Python libraries like Streamlit, scikit-learn, NumPy, and pandas.
- The web app provides personalized book recommendations based on user preferences and shows trending books. It uses collaborative filtering to recommend similar books and can also suggest books based on popularity.
- Languages/Modules/Frameworks used: **Python | Streamlit | scikit-learn | NumPy | pandas.**

Text Summarization Telegram Bot | Self Project   [Sept 2024]

- Built a text summarization Telegram bot which takes large input text from user and reply with a concise summary.
- This bot uses Large Language Model (LLM) for summarization and Aiogram for handling chats.
- Libraries/Frameworks used**: Python | LLM | Aiogram | Telegram API.**

Bert Fine-tuned on IMDB review dataset for sentiment analysis | Self Project   [Aug 2024]

- Fine-tuned a BERT model on the IMDB review dataset for sentiment analysis, improving its ability to classify user's sentiment as positive or negative.
- Used Hugging Face and the Transformers library for fine-tuning, leveraging state-of-the-art NLP techniques for better sentiment predictions. This model is publicly available on my Hugging Face account for use and further fine-tuning.
- Libraries/Frameworks used: **Python | Hugging Face | Transformers | BERT | IMDB dataset.**

IPL data analysis web app | Self Project   [Aug 2024]

- Developed an IPL data analysis web app using a Kaggle dataset, allowing users to explore and gain insights from IPL data through interactive filters and visualizations for more intuitive data exploration.
- Libraries/Frameworks used: **Python | Streamlit | pandas | NumPy | Kaggle dataset.**

Extractive text summarization app | Self Project   [Jul 2024]

- Built an extractive text summarization app that takes a news link, extracts the article's content, and generates a concise summary. Users can input links, and the app processes and summarizes the text in real-time using Newspaper3k.
- Library/Frameworks Used: **Python | Newspaper3k | NLTK | spaCy | Streamlit | NumPy**

Toxicity Classification Using DL | Self Project   [Oct 2024]

- Developed a toxicity classification model using deep learning to detect harmful and offensive language in text. The model is trained on a Kaggle dataset and can accurately classify toxic content in various online conversations.
- Libraries/Frameworks used: **Python | TensorFlow | Keras | Kaggle dataset.**

Github: *https://github.com/Sk09032*   **Portfolio Link:** *https://sk090.netlify.app/*

SKILLS AND EXPERTISE

- **Programming Languages :** Python | C++ | HTML | CSS | JavaScript | MySQL
- **Framework and Library:** Numpy | Pandas | Seaborn | Matplotlib | Scikit-learn | Tensorflow | BootStrap | Keras
- **Software Tools / Packages:** Windows | Macos | Microsoft Office | VS-Code | Android Studio

COURSEWORK INFORMATION

- **Relevant Academic Courses:** Linear Algebra | Programming and Data Structure | Transform Calculus | Partial Differential Equation| Electrical Technology | Basic Electronics
- **Online Coursework:** Complete Machine Learning, NLP Bootcamp, MLOPS & Deployment (Udemy Krish Naik) | Complete Generative AI Course With Langchain and Huggingface (Udemy Krish Naik) | Applied Data Structure and Algorithm (AlgoZenith Platform) | The Complete 2022 web development bootcamp (Udemy Angela YU)

POSITIONS OF RESPONSIBILITY

Secretary Social and Cultural | Lal Bahadur Shastri Hall of Residence IIT Kharagpur [April 20- April 21]

- Elected as the Secretary from among 2000+ students, served as the delegate for LBS Hall of Residence at college platforms. Also, assisted GSec for Social and Cultural activities, contributing to the success of various events.
- Arranged social and cultural functions targeting fresher engagement during an online semester, alongside organizing multiple interactive sessions with seniors to provide guidance for freshers.

AWARDS AND ACHIEVEMENTS

- Qualified for the state level in the NCSC held by Gov. of india and secured a top 1% rank among 1.2 million in JEE 2019.