S L MAANAS | 21CH10055

CHEMICAL ENGG. (B.Tech 4Y)

EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2025	B.TECH	IIT Kharagpur	8.10 / 10
2021	HSC Board Class XII	Thakur College of Science and Commerce	92.7%
2019	CBSE Board Class X	Ryan International School, Kandivali	97.2%

PROJECTS

Operations on CSV File & Essay Writing Model through prompt-based interface | Self Project　　　June '23
- Implemented LangChain framework for using large language module through the API of OpenAI
- Developed a data processing framework capable of taking CSV files and executing user-defined operations
- Constructed a model that empowers individuals to generate essays on any given topic by the user
- Used pandas dataframe agent for performing the tasks given by the user on the CSV file
- Used large language module chain(LLMChain) for creating a chain and providing a prompt for completing the task of writing an essay on the topic provided by the user

Comment Toxicity Prediction Model | Self Project　　　June '23
- Constructed and trained a deep learning model for detecting toxic comments/statements
- Used Keras and TensorFlow to train the model using a dataset of nearly 1,60,000 comments
- Implemented the Artificial Neural Network model using Numpy and Pandas libraries to get a precision of 85%
- Applied an extra layer along with an optimal number of epochs in the Artificial Neural Network which increased the precision of the model to 95%

POSITIONS OF RESPONSIBILITY

Events Head | Spring Fest, IIT Kharagpur　　　June '23 - Present
- Accountable for meticulously planning and managing all the events in Spring Fest 2024

Core Organising Team Member | Spring Fest, IIT Kharagpur　　　August '22 - June '23
- Worked under 4 portfolios: Publicity and Media Outreach, Sponsorship and Marketing, Events and Pronites
- Gathered an amount of 4.02 Lakhs from the Alumni contribution drive in the Mumbai region
- Increased the Outreach of Spring Fest, witnessing 200% YoY in the Maharashtra region
- Responsible for the successful conduction of SF Talkies with Mr. Vimal Lahoti - Indian producer
- Generated a registration of 12 bands for the event wildfire in three different regions of India, namely Mumbai, Delhi and Bangalore

Associate Member | Spring Fest, IIT Kharagpur　　　January '22 - August '22
- Led a team of 23 Campus Ambassadors from the regions of Uttarakhand, Goa and Punjab, increasing the outreach of the fest and witnessing 150% YoY in the participation
- Responsible for the successfull conduction of online events in the first - ever hybrid Spring Fest

SKILLS AND EXPERTISE

- **Languages:** C | Python | SQL
- **Libraries/Frameworks/Technologies:** Numpy | Pandas | TensorFlow | Keras | Matplotlib | Jupyter Notebook | Git* | LangChain*
  Elementary Proficiency

COURSEWORK INFORMATION

Programming and Data Structures(Theory and Lab) | Advanced Calculus | Transform Calculus | Linear Algebra | Machine Learning Specialization, Coursera

AWARDS AND ACHIEVEMENTS

- Achieved an all - India rank of 4106 in JEE Advanced among the 1,50,000 eligible students
- Secured 99.35 percentile in JEE Mains 2021 among 1.1 million students who appeared for the exam

EXTRA CURRICULAR ACTIVITIES

- Member of Silver-winning illumination team of Pandit Madan Mohan Malaviya Hall of Residence in 2022
- Trainee at TeamKart, the Formula SAE team of IIT Kharagpur in the first year
- Part of the National Sports Organisation (NSO) - Athletics consecutively for the past 2 years