Lakavath Sidhartha

Third Year Undergraduate
Chemical Engineering
Indian Institute of Technology Bombay
CPI : 8.05/10

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Scholastic Achievements

- Qualified **JEE Advanced 2021** conducted by IIT Kharagpur , among 1.5 lakh students *[21]*
- Secured **97.2** percentage in Telangana State Board of Intermediate Education(TSBIE) *[21]*
- Received **National Means Cum Merit Scholarship**(NMMS) conducted by Science Branch of Directorate of Education *[2016-2017]*

Key Projects

Dice Game using ReactJS | Self Project [Jan'24]
- Developed an interactive and visually appealing frontend interface for a dice game using **ReactJS**
- Utilized **State** management techniques in ReactJS to efficiently manage and update the game state
- Developed and managed game logic for a dice game using ReactJS, incorporating user interactions

Real-Time Facial Recognition System | WiDS | IIT Bombay [Dec'23]
Winter in Data Science | Analytics Club
- Developed a **Siamese Neural Network** for facial recognition, based on the research paper
- Conducted an exhaustive analysis of the research paper to grasp the model architecture and methods
- The model is being trained on a data set with Anchor and Positive images, collected through a webcam along with the Negative samples obtained from the Labelled Faces in the Wild repository

Spotify Clone Website | Self Project [Mar'24]
- Developed a responsive web application emulating Spotify's core features using **HTML**, **CSS**, and **JS**
- Ensured seamless use across devices by implementing responsive layouts and **media queries**

A fROSty winter |Electronics and Robotics Club ,IIT Bombay [Dec'23]
2-member group workshop on Robot operating system using ROS and Gazebo
- Implemented a robot model using **Gazebo** simulator and visualized the sensor data in **Rviz2**
- Examined Robot motion using **ArUco**,an **OpenCV** based library for navigation through maze

Machine Learning|Summer of Science [May'23-Aug'23
Maths and Physics Club, IIT Bombay
- Effectively utilized statistical formulas for data preprocessing, optimizing algorithm development
- proficiency in Python for data manipulation and expertise in **NumPy** and **Pandas** for datasets
- Proficient in **supervised** and **unsupervised learning**, with reinforcement learning knowledge.

Excel for Big Data Analysis | Learner's Space [July'23]
Analytics Club, IIT Bombay
- Proficient in Excel,utilizing its powerfulfunctionsand formulas for data analysis and manipulation
- Skilled in dynamiccharts, data sorting, filtering, and pivot tables, learnt decision-making

Technical Skills

- **Programming:** C++, Python, MATLAB, LaTeX
- **Development:** HTML, CSS, JavaScript, ReactJS
- **Software:** Excel, Git/GitHub, Jupyter
- **Data Science:** Numpy, Pandas, Tensorflow, Scikit-learn, Keras, Matplotlib

Extracurricular Activities

- Completed one year Military training at **NCC**, IIT Bombay (2 semesters)
- Represented **IIT Bombay kabaddi** team in **spardha** tournment(2022)
- Represented **IIT Bombay kabaddi** team(boys) in **Aavhaan** (2023) and won silver medal
- Participated in kho kho **general championship** for Hostel-3 and won gold
- Participated in a **Bicycle rally**, on the occasion of World Environment Day, by **NSS**