Awards and Achievements

- Awarded **Institute Academic Award** for performing **2nd** best in the class for whole year *(2022)*
- Among **Top 1.5%** out of 200,000 students in JEE Advanced and received **99.54%ile** in JEE Mains *(2019)*
- **AIR 74** among 15K students in UCEED and ranked **107th** out of 390K examinees in MHT-CET *(2019)*

Professional Experience

Siemens Technology & Services Pvt. Ltd. *(May'22 - July'22)*
Summer Research Intern - Modelling and Control of Compliant Mechanisms | Guide - Abhijeet Joshi, Technical Expert

- Implemented **document versioning system**, using **MariaDB & AWS S3** for compliance and auditing checks
- Developed a **bash program** automating database record extraction, compression and archiving saving **20+** man-hrs
- Implemented **Undo** feature for Citi Authoring Platform using **Wordpress Core** and classes in **React-Redux**
- Created Employee Management System (**EMS**), using **AWS Lambda**, **DynamoDB** with projected revenue **gains**

Site Inspection Application, Powerapps *(June'20)*
A rapid application development environment designed to adapt to changing business needs

- Developed an app that collects media files and text inputs and stores them in **One Drive Cloud** for data collection
- Implements **user stories** for intuitive GUI and worked in Atlassian **Agile-Scrum** methodology of week long sprints

Positions of Responsibility

Web Manager, Abhyuday IIT Bombay *(May'20 - May'21)*
*Led a **2-tier** team of **800+** people to execute **5** nationwide competitions, **50+** events/campaigns | Reach: **5M+***

- Developed Annual Social Fest 2021 website, using **3D rendered** gamified mascot, **live quizzes**, leaderboard
- Integrated online marketplace with **virtual currency** for an immersive user experience | **20k+** people reached
- Revamped a responsive website with **sign-in portal**, dashboard for the CR Program with **2.8k+** active users
- Executed a **stigma eradication** campaign in collaboration with **UNICEF** India with a reach of **1mil+** people

Web Secretary, MEMS Department, IIT Bombay *(July'19 - June'20)*
*Part of **15 member** team responsible for catering to the needs **800+** students and **30+** professors*

- Planned and executed events catering to **200+** students of department with net budget of **INR 1.3 Million**
- Maintained and revamped Department website using HTML, **JavaScript**, **Bootstrap**, and **Druple** frameworks

Key Projects

The Humanoid Project, Tinkerer's Laboratory, IIT Bombay *(Feb'20 - Present)*
*Aimed at building a humanoid with **Artificial Intelligence** Systems and Controls for Medical Assistance*

- Compiled extensive market research on **NLP** and data-sets such as Cornell Movie Dialogue Corpus for training
- Built a bot responsive to voice commands- perform Google Search, **casual conversations** and log-in system
- Applied functional API of **TensorFlow** to tackle recurrent **neural networks** problem using encoder-decoder model
- Developed a **seq-to-seq prediction** based generative chat-bot, training it on **30k+** dialogues for **5 epochs**

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Technical Skills

- Programming Languages: **C/C++**, **React**, Java, **SQL**, **Python**, PHP, R, **Node.js**, **Express** and LaTeX
- Softwares & Libraries: **TensorFlow**, Scikit-Learn, Tableau, Visual Studio, **Android Studio**, AutoCAD, MS-Excel

Extracurricular Activities

- Trekked **80+** km and attained a height of **9800+ft** in Himalayas, under guidance of Government of H.P
- Attended Annual Training Camp **ATC**, National Cadet Corp (NCC), 4-AFS, Rajasthan as a Contingent Leader
- **Silver medal** in High Jump, **100m** hurdle race at the annual Athletics General Championship-'20 *(2020)*
- **Gold medal** in High Jump, Javelin Throw at State Level Sports Meet, Kendriya Vidyalaya Sangathan *(2016)*
- Certified **Yellow Belt** (Grade: 8th Kup) in **Martial Arts** by Sailum Martial Arts Academy *(2014)*