



EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2024	M.TECH Dual Degree 5Y	IIT Kharagpur	8.33 / 10
2018	Higher School Examination	Regional Secondary School Madhubani, Bihar	93.4%
2016	Secondary School Examination	Jawahar Navodaya Vidyalaya Madhubani, Bihar	10 / 10

PROJECTS

DSA Search Engine

[May 2022 - May 2022]

- Scrapped around **1900** DSA Problems using **BS4** and **Selenium Web Driver** to build a dataset for search engine.
- Built a search engine on scrapped data of DSA Problems using the **BM25 Algorithm** and **NodeJS** environment.
- Handled spelling errors, camel casing, and word inflation using **Spell Corrector**, **Regex**, and **Stemming**.
- Deployed the web search application using **Heroku** Command Line Interface and hosted the website on **Github**.

Code Summarizer

[June 2022 - July 2022]

- Used **Regex** and **Spacy** to convert raw text into a form that can be vectorized.
- Utilized the use of **word2vec** embedding and **glove** embedding for word vectorization of the source code.
- Sequence to sequence modeling was done using **LSTM**-based encoder-decoder architecture to generate understandable summaries that are semantically relevant and define the code's presumed task.

SKILLS AND EXPERTISE

Languages/ OS: C++ | Python | JavaScript | Html | CSS | MATLAB | Octave | Windows**Tools:** Git | Jupyter Notebook | Google Colaboratory | Anaconda | VSCode | SublimeText | MATLAB | ANSYS**Libraries & Frameworks:** C++ STL | NodeJS | Scikit | NumPy | Pandas | Matplotlib | Spacy | Selenium | BeautifulSoup | Keras | Tensorflow | Matplotlib

COURSEWORK INFORMATION

Maths: Probability and Statistics | Transform Calculus | Partial Differential Equation**Others:** Programming and Data Structures Theory and Laboratory course | Dynamics | Casting, Forming and Welding | Heat Transfer | Mechanics Of Solids | Thermo Fluids Theory and Laboratory course | Economics | Fundamental of Rural Innovation and Management | Entrepreneurship in Social Sector**MOOC:** Machine Learning | Sequence Models | AZ201: Applied Algorithms and Data Structure-Algozenith

POSITIONS OF RESPONSIBILITY

Executive Member | Gopali Youth Welfare Society

[April 2019 - May 2021]

- Mentored a team of **21 freshers** to **maintain relation** with our donors, to **fundraise** for different initiatives and projects of GYWS, and to handle their responsibility as a team member.
- Successfully raised a total amount of **INR 33 lakh** in **12 months** during Senior Executive Member tenure and an amount of **INR 4.55 lakh** in **5 months** during Junior Executive Member tenure.
- Collecely managed a school with more than **250 underprivileged children** in the area, **planned activities** and **sessions** for their overall development at Jagriti Vidya Mandir (school) as JEM of School Review Committee.
- Managed successful conduction of **donation drives** and crowdfunding campaign-**YOGDAAN**.

Associate Member | Spring Fest 2020

[August 2019 - April 2020]

- Part of a team responsible for the **Publicity** of Spring Fest 2020 across the country.
- Managed **9 Campus Ambassadors** and successfully **published** two news articles about SF2020.

Student Mentorship Program | SWG

[November 2021 - Present]

- Mentoring **5 first-year students** of the 2021 batch under the Student Mentorship Program by SWG IITKgp.
- Organized several **interactive sessions** to help them with their concerns and made them familiar with Institute.

AWARDS AND ACHIEVEMENTS

JEE Advanced 2019: Qualified JEE Advanced and secured a rank among the top 4% of all the participants.**JEE Mains 2019:** Qualified JEE Mains and secured a rank among the top 1% of all the participants.

EXTRA CURRICULAR ACTIVITIES

- **Gold-winning** team at the women's open (IIT) kho-kho tournament held in February 2022.
- Member of the National Sports Organization (NSO) in **Yoga** from July 2019 to April 2021.
- Volunteered in **Diksha** (summer 2021) to teach **Maths** to underprivileged students of class10th in our local area.
- Managed the preparation of **Central illumination 2021** represented by Mother Teresa Hall of Residence.