



EDUCATION

Year	Degree/Exam	Institute	CGPA/Percentage
2026	B.Tech, MINING ENGINEERING	Indian Institute of Technology Kharagpur	8.43
2021	Class XII, Central Board of Secondary Education	S.T.S.V International School, Ara	86.8%
2019	Class X, Central Board of Secondary Education	Jean Paul's High School, Ara	92%

INTERNSHIPS AND PROJECTS

Social Determinants of Health IIT Kharagpur	Feb'24 - March'24
<ul style="list-style-type: none">Developed Social care Scorecard, a data-driven tool assessing social support needs and health risk to connect individuals with servicesUsed clustering, LLM Prompting, embedding-based techniques to autonomously categorize risk features and build hierarchical risk modelSecured Gold with the team in the General championship Data Analytics 2024, organized by IIT Kharagpur in partnership with Evva Health	
Metro Navigator Self Project	April'24 - May'24
<ul style="list-style-type: none">Engineered a robust application, Metro Path Finder, to accurately find the shortest routes between metro stations preciselyImplemented Dijkstra's algorithm and utilized advanced data structures for efficient handling and processing of metro stationsIntegrated interactive features allowing users to select stations, view route maps, estimate fare costs, and explore travel optionsEnhanced functionality that allows users to add an intermediary stop between the source and target stations, improving route flexibility	
Movie Recommendation System Self Project	April'24 - May'24
<ul style="list-style-type: none">Conducted thorough EDA on TMDB 5000 movie dataset, focusing on data cleaning and detailed visualization for comprehensive insightsExtracted essential movie details such as plot, cast information, directors, ratings & popularity scores to facilitate content-based filteringUtilized Bag-of-Words (BOW) and Tf-Idf techniques to vectorize tags, employing cosine similarity for recommending top similar moviesImplemented deployment of the Movie Recommender system using Streamlit to provide a seamless and user-friendly interface	
AI Chatbot IAS Prakhar Singh	July'24 - Aug'24
<ul style="list-style-type: none">Developed an AI chatbot using LangChain and OpenAI's language model to accurately respond to complex and diverse user queries.Integrated PDF processing with PyPDF2 to enhance the chatbot's utility for handling document-based queries and user interactions.Demonstrated effective use of AI and ML to address real-world problems in tourism and government document processing efficiently.	

SKILLS AND EXPERTISE

<ul style="list-style-type: none">Programming Languages and Software: Python, C++, C, HTML, CSS, SQL, VS Code, Jupyter notebook, Google collabFrameworks and Libraries: Pandas, Numpy, Matplotlib, Opencv, Langchain, XGBoost, Pypdf2, Keras, Pillow, Streamlit, Bootstrap

COURSEWORK INFORMATION

<ul style="list-style-type: none">Deep LearningMachine LearningProgramming and Data Structures	<ul style="list-style-type: none">Probability and StatisticsLinear AlgebraAdvance Calculus
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POSITIONS OF RESPONSIBILITY

Executive Head Public Policy and Governance Society IIT Kharagpur	May'23 - Present
<ul style="list-style-type: none">Facilitated the acclimatization of 100+ freshman to the institute's environment by helping in organizing a meet-upOrganized many seminars with IAS officers, addressed over 500+ students, fostering knowledge exchange and career insights.Guided and Mentored 50+ freshmen students with a team in acclimatizing to the Environment of the Institute	
Associate Member Technology Mining Engineering Society IIT Kharagpur	Dec'22 - Aug'23
<ul style="list-style-type: none">Part of the organizing team for India's Largest Departmental Fest, Great Step 2022, ensuring a successful eventManaged accommodation for over 500 students from other colleges during the Great Step eventOrganized events like safety data analytics, geo biotics, safety hunt, and mineo case study at Great Step	

AWARDS AND ACHIEVEMENTS

<ul style="list-style-type: none">Secured a position among top 4% in the Joint Entrance Examination(JEE) Advance 2022 among more than 170000 studentsSecured a position among top 0.5% in the Joint Entrance Examination(JEE) Mains 2022 among more than 900000 studentsCurrently hold the Department Rank 5 among 100+ students of the MI department and also was the CR in 4th semester	
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EXTRA CURRICULAR ACTIVITIES

<ul style="list-style-type: none">Actively involved in the construction of the Silver winning Illumination of Lala Lajpat Rai Of Residence in November 2023.Participated in Inter Hall Badminton tournament conducted by Technology students' Gymkhana with Lala Lajpat Rai Hall of ResidenceAttended Disaster Management programme covering basics of Rescue Techniques, First aid, Fire Fighting, and Rehabilitation WorkAttended the Swatch Bharat abhiyan organised by NSO health and fitness with my teammates of my unit 11Participated in Intra-Hall Cricket Tournament organised by Lala Lajpat Rai Hall of Residence in March 2023	
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