

ACADEMIC PROFILE			
Year	Degree/Certificate	Institution	Percentage/CGPA
2024	Dual Degree	IIT Kharagpur	8.06/10.00
2018	AISSCE	St. Gabriel's Senior Secodary School, Jabalpur	88.6%
2016	AISSE	St. Gabriel's Senior Secodary School, Jabalpur	10.00/10.00
INTERNSHIPS			
Dewinter Optical Incorporated COMPUTER VISION INTERN		May'22-Jul'22 New Delhi	
Monetized the Commercial Hardware product for a German Microscope company assisting in the model training part of software integration			
<ul style="list-style-type: none">Leveraged YOLOv5 model for 5-class white blood cell detection and classification with mean average precision value of 0.78Achieved 2X improvement in mean average precision by annotation and augmentation of live blood sample; 2000 images dataset to 6000Successfully trained model using AWS EC2 instance, reducing computation time by 40% and improved the metric score to 0.88			
Cars24 PRODUCT INTERN		May'23-Aug'23 Gurugram	
Reduced checkout funnel drop-off rate from 21% to 10% by revamping the Order Summary page of Cars24 Australia via A/B testing			
<ul style="list-style-type: none">Discovered the pain points of 300+ users by analyzing product pipeline Hotjar drop-off recordings, User call recordings, calling 50+ usersReduced cart abandonment rate by 10% and increased the overall conversion rate by Identifying 5 checkout funnel enhancementsEnsured successful A/B testing by spearheading the process of Amplitude and Google Analytics event mapping along with 10+ feature testing			
PROJECTS			
Text Summarization NLP Self Project Github link		May'23	
<ul style="list-style-type: none">Leveraged Samsum dataset and the hugging face transformer API resulting in the training accuracy of 81% and validation accuracy 89%Created a web UI using FastAPI and maintained end to end pipelines of data ingestion, validation, transformation, trainer and evaluationUsed Docker for streamlined deployment, encapsulating the project into containers for seamless scalable and reproducible deployment			
Pavement Distress Management M.TECH Project		Jul'23 - Nov'23	
<ul style="list-style-type: none">Detection, Quantification and Severity Estimation of the distresses in Pavements of Indian roads using Deep learning models and frameworksApplied YoloV5 and U-Net, employing transfer learning, to segment an extensive dataset of 8000+ images and video dataCollaborated with stealth startup and hosted the model in interactive Streamlit app to visualize model results, enhancing data analysis			
COMPETITIONS			
Kharagpur Data Science Hackathon Algorithmic Trading Model			
<ul style="list-style-type: none">Leveraged the bitcoin (BTC) y-finance data to train a time series model using LSTM to forecast closing price trend for next 3 months.Generated a back-testing profit of 198% using moving average convergence divergence MACD signal line strategy for bullish and bearish scenaApplied position sizing strategy and estimated value at risk to apply risk assessment and stop loss			
COURSEWORK			
<ul style="list-style-type: none">Probability and StatisticsLinear Algebra for AI and MLMachine Learning	<ul style="list-style-type: none">Security in AI-MLAI for EconomicsDeep Learning	<ul style="list-style-type: none">Foundational Theories in AIConvolutional Neural NetworkRecurrent Neural Network	<ul style="list-style-type: none">Programming and Data structuresPython for Machine learningBig Data Processing
SKILLS			
BEGINNER	TOOLS : VSCODE COLAB AWS ROBOFLOW GIT GITHUB JUPYTER TABLEAU MS OFFICE FAST API HUGGING FACE	INTERMEDIATE	LANGUAGES: PYTHON C++ C SQL LIBRARIES: NUMPY PANDAS MATPLOTLIB SKLEARN SPACY
LEADERSHIP AND RESPONSIBILITIES			
HALL PRESIDENT MMM Hall of Residence		Aug'22-Apr'23	
Elected by a student body of 2200+ student boarders leading a team of 10 General Secretaries and driving growth in the hall infrastructural and cultural development in 8 portfolios also representing MMM Hall of Residence in the Student's Senate.			
GOVERNOR TECHNOLOGY COMEDY CLUB, TSG IIT KHARAGPUR		Jul'21-May'22	
Successfully registered the club under Technology Student's Gymkhana IIT Kharagpur with the highest student club strength of 70+ students executing 10+ online events including events that promote female participation in the club hosting 5 female comedians.			
TSG IIT KHARAGPUR SECRETARY STUDENT'S WELFARE,TSG IIT KHARAGPUR		Jan'21-May'21	
Served as the first point of contact for student's mental well being during the COVID -19 pandemic solving academic issues alongside.			

EXTRA CURRICULAR ACTIVITIES			
<ul style="list-style-type: none">Social Impact: Conducted 2 donation drives for orphan girls donating ration, bedsheets, pillow, mattress, stationary items, new LaptopNCC: National Cadet Corps B certificate holder; Completed 10 days training camp and won 3 medals for athletic excellenceTheatre: Played the lead role in the inter hall stage play participating along with 10 other participants representing 1100 student boardersCultural: Played the lead role in the first submission of MMM Hall Inter Hall short filmmaking competition leading a team of 10 students			