HIMANSHU SINGH



				CALCUTTA				
ACADEN	MIC QUALIFI	CATIONS						
Year		Degree /Board	University /Institution	%/CGPA				
2025*	Post Gr	aduate Diploma in Business Analytics	IIM Calcutta, IIT Kharagpur, ISI Kolkata -					
2016		B.Tech Electrical Engineering	IIT Roorkee 95 %					
2012		CLASS XII	Delhi Public School Vidyut Nagar 88.8					
2010		CLASS X	Delhi Public School Vidyut Nagar	95 %				
KEY SKILLS/TOOLS			Programming, MS Excel, Presentation Skills, Table					
		(26 Months)						
Framed		<u> </u>	timisation Analyst Delhi (1	May '21 - Sep '22				
Ro	oles and	 Employed on-page and off-page SEO techniques; conducted keyword research to increase traffic by 70% Performed competitor analysis and monitored the website's analytics to identify areas for improvement Collaborated closely with the editorial and development team to ensure streamlined publication process 						
Initiatives and Impact Conducted Backlink Audit to uncover Negative SEO that improved ranking of 500 Designed standard article formats that reduced production time by 20%, cost Doubled the daily article upload frequency (10→20) Introduced two new sections are provided in the daily article upload frequency (10→20) Introduced two new sections are provided in the daily article upload frequency (10→20) Introduced two new sections are provided in the daily article upload frequency (10→20) Introduced two new sections are provided in the daily article upload frequency (10→20) Introduced two new sections are provided in the daily article upload frequency (10→20) Introduced two new sections are provided in the daily article upload frequency (10→20) Introduced two new sections are provided in the daily article upload frequency (10→20) Introduced two new sections are provided in the daily article upload frequency (10→20) Introduced two new sections are provided in the daily article upload frequency (10→20) Introduced two new sections are provided in the daily article upload frequency (10→20) Introduced two new sections are provided in the daily article upload frequency (10→20) Introduced two new sections are provided in the daily article upload frequency (10→20) Introduced two new sections are provided in the daily article upload frequency (10→20) Introduced two new sections are provided in the daily article upload frequency (10→20) Introduced two new sections are provided in the daily article upload frequency (10→20) Introduced two new sections are provided in the daily article upload frequency (10→20) Introduced two new sections are provided in the daily article upload frequency (10→20) Introduced two new sections are provided in the daily article upload frequency (10→20) Introduced two new sections are provided in the daily article upload frequency (10→20) Introduced two new sections are provided in the daily article upload frequency (10→20) Introduced two new sections are				% & ↑readability				
A	wards	Awarded the 'Most Valuable Employee'	prize three times Involved in hiring and training	of new recruits				
AWARD	S AND ACH	EVEMENTS						
	evements	■ Secured AIR 1163 in IIT JEE out of 0.5 million candidates & 98.46 %ile in CAT'22 QA section out of 220k ■ Awardee of national level merit based NTSE Scholarship offered by NCERT to Top 1000 students annually ■ Secured 1 st position in Annual Techno-Hobbies Exhibition (IIT Roorkee) for Smart Motion Control proj						
	tification	Completed 'Generative AI with Large Language Models' intermediate level certificate on Deeplearning.ai						
	petitions		r'23 Top 10 in IIM Calcutta 's IDB Analytics 3.0 o	out of 940 teams				
ACADEN	MIC PROJECT	TS						
Mechanism of Action (Classification) Performed PCA, Factor Analysis & UMAP for feature engineering MLSMOTE & MSKF for imbalance implemented XGBoost, Random Forest, Logistic Regression & three stage NN achieving Logloss of								
Foreca	ricity Price asting (Time feries)	 Forecasted Electricity Price in Day-Ahead market using temperature, input prices as Exogenous Variables Performed ADF test for stationarity; plotted ACF & PACF; and achieved MAPE of 17.33% for baseline model Improved Base Model performance to 14.4% using SARIMAX, 8.9% using LSTM, and 8.1% using Deep RNN 						
	er Targeting Modelling)	■ Identified customers with a strong propensity to buy dresses if targeted via emails using uplift modelling ■ Implemented Class Transformation, Two model and Solo Model approaches with RF, LR and LightGBM ■ Achieved QC score of 0.038 Performed Market Funnel Analysis & recommended list of target customers						
Pı	Product Developed a New-product development strategy integrating review sentiment analysis with HO							
Development		Performed Web Scraping , text tokenisation for data cleaning; Used Vader & BERT for Sentiment Analysis						
(Sentiment Analysis)		Used LDA for topic Modelling and BART for review summarisation to provide concise actionable insights						
	Prediction Predicted product price from retail transactions dataset having 30 features using OLS, Lasso & Ridge regr							
	gression)		llinearity by VIF Obtained 29.3% MAPE by OLS, ↓ t	to 9.3% by lasso				
	ONAL PROJE							
_	etection (LLM		ing a pre-trained GPT-2 LLM integrated with a cla					
	Classification) Fine-tuned base model to improve AUC score from 0.46 to 0.93 & further enhanced it to 0.997 using Movie Rec.Sys. Built a collaborative movie rec.sys. with MovieLens100k dataset using memory based strategy with Used Bias subtraction & bayesian based optuna hyperparameter tuning to improve MSE from 9.72 to 1.00 to 1							
Gener	ding Page ration (LLM gents)	■ Generated product description based content for landing page of ecommerce website using LLM Agent :						
Customer Segmentation Performed Bank Customer Segmentation using K-Means on vector representations of 45k+ custom Used Elbow method for no. of clusters & SHAP for feature importance Obtained Silhouette score								
POSITIO	ONS OF RESP	ONSIBILITY & EXTRA CURRICULARS	S					
	Appointed as the Editor-in-Chief of PGDBA annual AI & Analytics Magazine - AINA 5.0 and led a team of 4 Contributed two articles on AutoML and AI & Governance ; conducted interviews, ensured timely release							
S	Sports	Secured First Position in Intersection W	Vars Basketball Competitions '23 having 8 teams	at IIM Calcutta				

ELECTIVES: NLP, Finance Risk Mgmt, Econometric Methods

INTERESTS : Spirituality, Workout