

ANKUSH PANDIT



ACADEMIC QUALIFICATIONS

Year	Degree /Board	University /Institution	%/CGPA
2025*	Post Graduate Diploma in Business Analytics	IIM Calcutta, IIT Kharagpur, ISI Kolkata	-
2020	B. Tech Computer Science & Engineering	Heritage Institute of Technology, Kolkata	8.95/10
2016	CLASS XII	RamaKrishna Mission Boys Home High School, Rahara	91.6 %
2014	CLASS X	RamaKrishna Mission Boys Home High School, Rahara	94.7 %

KEY SKILLS/TOOLS Statistical Data Analysis, Data Science, DSA, Python, R, SQL, Dashboarding, Git, Linux, Excel

AWARDS AND ACHIEVEMENTS INSTITUTE RANK – 3 (PGDBA 2023-25)

Academic Achievements	<ul style="list-style-type: none">Awarded merit-based prize for achieving 1st position (10/10 SGPA) in semester-1 of PGDBA at ISI KolkataSecured a top 25 rank out of 229 students (~top 10%ile) in the department during under graduation
Case Competitions	<ul style="list-style-type: none">Champions at Mind-Wizz case competition (Supply Chain) by IIM UDAIPUR among 800+ contestantsRunners up at Prodalytics, dashboarding and analytics case competition in XLRI with 1000+ participantsNational Finalist (Top 10) at MindMaze: analytics competition (45K+ impressions) by MDI Murshidabad

WORK EXPERIENCE (31 Months)

Amazon	Software Development Engineer	Bangalore (Aug '22 - Mar '23)
Key Responsibilities	<ul style="list-style-type: none">Assisted Consumer's payments team on instalment offers; primary duty feature development (full stack)Configured tests (java), alarms for monitoring, created resources (CDK, typescript) for deployment in AWSResolved 10+ issues: ad hoc bug fixing & customer handling as the primary POC of the team during on-call	
Notification Service	<ul style="list-style-type: none">Bootstrapped a seller facing notification service from scratch: 5+ modules(java), 20+ unit tests, 10+ alarmsEnsured end-to-end delivery to unlock full-scale product launch, boosting sales across 4 EU countries	
Motorola Solutions	Software Engineer	Kolkata (Aug '20 - Aug '22)
4G/5G Solutions development	<ul style="list-style-type: none">Implemented redundant, one-time activation license server features as Part of the LTE Development teamDeveloped multiple N6 interfaces, enabling NAT, addition of an N3 gateway for UserPlane team under 5GDesigned python scripts for functional and load testing; bash for test automation; Resolved 10+ JIRA issues	
Major Contributions	<ul style="list-style-type: none">Crafted resource-rich guidelines for quicker onboarding, reducing effort from senior engineer significantlyAnalyzed root cause for 10% KPI drop in new version, resolved issue to restore KPI and unblock release	
Recognition	<ul style="list-style-type: none">Recognized as 'key performer' and awarded with off-cycle RSU during annual performance review	

ACADEMIC PROJECTS

Optimal Retail Price Prediction (Regression)	<ul style="list-style-type: none">Leveraged regression analysis to predict optimal product price using retail transaction data (30 features)Addressed outlier by Jack-Knife and multi-collinearity using VIF; Lasso and Ridge model for regularizationAchieved 29.3% MAPE using OLS ; Reduced it by 32% and Improved R2 value by 15% using Lasso
Crude Oil Price Prediction (Time Series)	<ul style="list-style-type: none">Forecasted crude oil prices from 28 years (300+ observations); Analysed trend, seasonality & randomnessApplied log transform & 1st difference for heteroscedasticity; Examined MA & AR models with ACF/PACFValidated model via Ljung Box and stationarity using ADF test; Attained MAPE: 0.09 (120%) for best model
Automatic Image Caption Generation (Gen AI)	<ul style="list-style-type: none">Designed automatic image captioning model using CNN based Encoder & LSTM based Decoder(5.7K images)Applied teacher-forcing in training to address underfitting & Top-K Sampling for diversity in generationLeveraged Transfer learning to finetune VGG16 model, improved Rogue score by 5.3% using InceptionV3
Forecasting City Traffic Flow (Graph ML)	<ul style="list-style-type: none">Modelled traffic networks with graphs and predicted flow using graph neural networks on PeMSD7 datasetCaptured spatial - temporal dependencies using Graph Convolution Network in conjunction with LSTMIncorporating Attention in graph network improved results for 9 timestamps; Reduced RMSE value to 6.25

ADDITIONAL PROJECTS

AIDS Fatality Detection (Classification)	<ul style="list-style-type: none">Developed a classification model to detect AIDS fatality using clinical trial data (24 features, ~2K records)Applied SMOTE to handle class imbalance; Treated multicollinearity with concept of partial correlationAchieved Recall of .67 by logistic regression & improved to .83 using CatBoost with 87.95% ROC-AUC score
StackOverflow Qn Status (NLP)	<ul style="list-style-type: none">Predicted StackOverflow question status from 40K+ text; Word2Vec embedding followed by Random ForestRecall 51% with RF; Improved up to 68% (f1 score 0.63) using BERT Encoder & fine-tuned BERT model
Hotel Customer Segmentation	<ul style="list-style-type: none">Segmented 80k+ hotel customer data by performing PCA & using KMEANS to understand behavioral patternLeveraged elbow method to find 3 clusters; Achieved 0.56 silhouette score (31% ↑) and a DB Index of 0.61

POSITIONS OF RESPONSIBILITY & EXTRA CURRICULARS

Placement Representative PGDBA	<ul style="list-style-type: none">Conducted Final Placements (2024): achieved 63% increase in median, 51% in mean & 207% in max CTCCreated a centralized database for first time in the history of PGDBA; Facilitated sponsorship for Trilytics73% PPO conversion rate; onboarded 63% more recruiters and an international recruiter after 6 years
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ELECTIVES : Deep Learning, Supply Chain Analytics

INTERESTS : Football, Wild Life