

NAMIT PULYANI



ACADEMIC QUALIFICATIONS			
Year	Degree /Board	University /Institution	%/CGPA
2025*	Post Graduate Diploma in Business Analytics	IIM Calcutta, IIT Kharagpur, ISI Kolkata	-
2021	B.E. Electronics and Communication	Netaji Subhas Institute of Technology	8.46/10
2017	CLASS XII	Hansraj Model School	93.8 %
2015	CLASS X	Hansraj Model School	10/10
KEY SKILLS/TOOLS		Statistical Data Analysis, Predictive Modeling, DL, Python, SQL, R, C++, Tableau, MS Excel	
WORK EXPERIENCE (17 Months)			
Qualcomm India Pvt Ltd		Engineer	Hyderabad (Jul '21 - Dec '22)
Source Code Improvement	<ul style="list-style-type: none">Orchestrated 15+ Test Plans & 150+ Test Cases across multiple Software builds & 4 international operatorsIdentified bugs, raised 50+ change requests under IMS Stability testing to ensure higher software reliabilityProvided dedicated support & vigilance; by overseeing & managing 100+ JIRAs with diversified Dev teamsDeveloped scripts to add 40+ test cases to catch new issues by leveraging Race Condition Test Framework		
Accomplishments	<ul style="list-style-type: none">Achieved 98% automation coverage; Improved post-processing efficiency, reducing manual efforts by 50%Executed 20% of field test cases in lab setup for achieving ~25% reduction in field issues faced in Volte areaAttained (1st eligible) Promotion for performing consistently and contributing successfully to the projects		
AWARDS AND ACHIEVEMENTS			
Academics	<ul style="list-style-type: none">Ranked in the Top-20 percentile of academic performers among 62 students of PGDBA Batch- 9(2023-25)		
Case Competitions	<ul style="list-style-type: none">2nd Rank/1159 in HRMony, an HR-Organizational Structure problem in Startups, by IIM-Ahmedabad ['23]5th Rank/940 in IDB- Analytics 3.0, a Surgical resources - data analysis case problem, by IIM-Calcutta ['23]6th Rank/343 in White Ball Analytics, a cricket data analysis & players auction event, by IIM-Amritsar ['23]		
Internship Certification KPMG	<ul style="list-style-type: none">Performed Quality Assessment & Pre-Processing (Cleaning, Formatting, Imputing) tasks on bike sales dataDerived Insights from EDA; Analyzed project findings & presented them using Tableau Dashboard [Jan '23]		
Professional Certification Google	<ul style="list-style-type: none">Completed 8 courses emphasizing on hands-on practice assessments on real-life problems in Data AnalyticsAchieved competency in tools & platforms used to Prepare, Process, Analyze, Share and Act on data [Dec '22]		
ACADEMIC PROJECTS			
Employee Salary Prediction (Regression)	<ul style="list-style-type: none">Predicted Employee Monthly salary for a firm's cost planning using MLR model on dataset with 30+ featuresChecked multicollinearity using VIF, feature importance using t- tests, error analysis via QQ plot & KS TestEmployed OLS Regression Model and attained best R² value of ~0.946 after using Ridge Regression model		
Polycystic Ovary Syndrome Detection (Classification)	<ul style="list-style-type: none">Performed early PCOS detection to prevent infertility in reproductive women using classification methodsApplied SMOTE for class imbalance, selected the most important features & applied LR, SVM, DT, RF modelsAchieved best recall score of approx.92% (improved by 13.6%) after applying Stacked Ensemble Method		
Automatic Image Captioning (Generative AI)	<ul style="list-style-type: none">Developed an automatic image captioning model using a CNN based Encoder and an LSTM based DecoderApplied teacher- forcing in LSTM to address under - fitting and Top- K Sampling for diversity in generationLeveraged Transfer Learning to finetune VGG16 model, improved Rogue score(5.3%↑) using InceptionV3		
IP Index Forecasting (Time Series)	<ul style="list-style-type: none">Forecasted the Monthly IP index of electric & gas utilities in US; Used KPSS test to check trend stationarityAnalyzed ACF-PACF plots, monitored AIC, BIC & ACF of Residuals to get SARIMA order; MAPE score of 2.4%		
Automatic Music Transcription	<ul style="list-style-type: none">Generated guitar tablature from mono - audio files by developing an RNN based Encoder - Decoder modelProcessed audio files to extract frequency, intensity values to be used as inputs for predicting guitar stringsDeveloped a greedy algorithm from scratch to match frequency, string pairs; Achieved an accuracy of 82%		
ADDITIONAL PROJECTS			
Extractive Text Summarization (NLP)	<ul style="list-style-type: none">Summarized articles from BBC News Data, pre-processed text using NLTK & Universal-Sentence-EncoderApplied Cosine Similarity Method to create 2D graph & used PageRank Algorithm to select top-5 sentencesFine-Tuned BartForConditionalGeneration model for getting a coherent summary by sentence reordering		
Hotel Customer Segmentation	<ul style="list-style-type: none">Segmented a hotel customers dataset with 80k+ records and 30+ features to understand behavioral patternsApplied PCA & K-MEANS method to get 3 clusters; Achieved Silhouette score 0.56 (~39% ↑) & DB Index 0.61		
POSITIONS OF RESPONSIBILITY & EXTRA CURRICULARS			
President, Venatus	<ul style="list-style-type: none">Headed a team of 20+ (Gaming Club) in organizing & managing events with participants from 10+ colleges		
Analytics Club	<ul style="list-style-type: none">Authored article on "Cricket Analytics", Dataverse['IIMC 23]; Personal blog on player performance analysis		
Captain, Cricket	<ul style="list-style-type: none">Led PGDBA Cricket Team to gold in "Section- Wars" tournament; Received Player of the tournament Award		
Data Sc. Casebook	<ul style="list-style-type: none">Devised case solutions and KPIs for Automobile & Banking industry in 2nd version of PGDBA DS Casebook		
Social Work	<ul style="list-style-type: none">Volunteer for Panchatattva Seva Trust, distributed necessary commodities in child- care and old age homes		
ELECTIVES : Deep Learning, Healthcare Analytics, PRO		INTERESTS : Cricket, Football, Sudoku	