

ABHISHEK ANAND

ACADEMIC QUALIFICATIONS			
Year	Degree /Board	University /Institution	%/CGPA
2025*	Post Graduate Diploma in Business Analytics	IIM Calcutta, IIT Kharagpur, ISI Kolkata	-
2021	B.E. Electrical and Electronics Engineering	BITS Pilani KK Birla Goa Campus	7.5/10
2016	CLASS XII	DAV Model School, Durgapur	92.17 %
2014	CLASS X	St. Xavier's School, Durgapur	93 %
KEY SKILLS/TOOLS		Python, Communication, SQL, Statistical Data Analysis, Excel, Dashboarding, Tableau, Predictive Modeling	
WORK EXPERIENCE (27 Months)			
Doubtnut		Business Analyst	Gurugram (Feb '21 - May '23)
Descriptive Analytics	<ul style="list-style-type: none">■ Maintained and analyzed key metrics across sales, user engagement, user profiles & retention parameters.■ Used SQL, Excel and Python for above. Prepared live and interactive dashboards for the same on Metabase.■ Tracked the performances of various product features, campaigns & trends pertaining to the Doubnut app.■ Utilized apxor and SQL for the above and thus helped with more relevant app designing and user targeting.		
Diagnostic & Prescriptive Analytics	<ul style="list-style-type: none">■ Conducted Root Cause and Ad hoc analyses related to several crucial Key Performance Indicators (KPIs).■ Explained fluctuations, trends & anomalies and helped smoothen Doubtnut's data driven decision making.■ Analyzed over 25 A/B experiments, spanning across Doubtnut's content, interaction & engagement features.■ Used SQL and hypothesis testing for above and helped the product team take business & design decisions.		
Ownership & Business Impact	<ul style="list-style-type: none">■ Led analytics for Doubtnut's WhatsApp bot, overseeing numbers of onboarding and engagement initiatives.■ Facilitated a growth in WhatsApp's Daily Active Users(DAU) by 65,000 & Day1 retention from 18% to 25%.■ Led analytics for the Shorts feature on the app & helped achieve a 20x boost in Daily Video Views numbers.■ Collaborated closely with product and design teams in revamping the Course Details Page & Explore Page.■ Provided data driven suggestions for the above and helped achieve a 1.5x improvement in Buy Now Clicks.		
AWARDS AND ACHIEVEMENTS			
Scholastic Achievements	<ul style="list-style-type: none">■ Acquired a spot in the Top 10 Unstoppable College Champions, IIM Calcutta, Unstop Talent Awards 2024.■ 99.33%ile in quants in CAT 2022 Awarded the best Debator of DAV Model School, Durgapur 2015-2016.■ Awarded Times NIE (Newspaper in Education) Student of the Year title 2015, DAV Model School Durgapur.		
Case Competitions	<ul style="list-style-type: none">■ 2nd off 5200+ registrations in Trilytics 2023, PGDBA with Word Wide Technology (WWT), won cash 25k.■ 2nd off 1500+ registrations at Insight Masters, ISB Hyderabad at Advaita 2023, won cash prize worth 45k.■ 2nd off 627 participants in the dashboarding competition E2A, in Nova Exilaro 2024, XLRI Delhi, won 12k.		
ACADEMIC PROJECTS			
Optimal Retail Price Prediction (Regression)	<ul style="list-style-type: none">■ Predicted optimal product price leveraging regression analysis using retail transactions data (30 features).■ Implemented OLS, Lasso and Ridge Handled outliers via Jackknife method & multi-collinearity using VIF.■ Achieved 29.3% MAPE and 0.85 R² using OLS and improved them by 32% & 15% respectively using Lasso.		
Heart Disease Prediction (Classification)	<ul style="list-style-type: none">■ Built a hybrid heart disease classifier on 4k+ patients' data Addressed 6:1 class imbalance using SMOTE.■ Executed EDA, Iterative and mode imputation for missing values, handled outliers using an Isolation Forest.■ Leveraged GridSearchCV and trained a soft hybrid KNN + Random Forest + Logistic Regression classifier.■ Used K-fold Cross-Validation, achieved an AUC of 0.87, a positive class recall of 0.97 & an F1 Score of 0.89.		
Market Risk Modelling (Time Series Analysis)	<ul style="list-style-type: none">■ Modelled daily stock price volatility of NIFTY50 index with 1600+ observations using a GARCH(1,1) model.■ Performed preprocessing, ADF test for stationarity, analysed ACF, PACF plots of returns square & residuals.■ Forecasted exchange rate via ARIMAX & interest rate differentials as exogenous, achieving a MAPE of 1.26%.		
Portfolio Optimization	<ul style="list-style-type: none">■ Categorised 120+ Indian stocks into four different return-volatility groups leveraging DBSCAN Clustering.■ Allocated optimal weights to the selected cluster using Mean-Variance method, got a Sharpe Ratio of 2.05.		
ADDITIONAL PROJECTS			
Image Captioning (NLP, CNN)	<ul style="list-style-type: none">■ Automated image-captioning by leveraging transfer learning on ResNet-50 as encoder and LSTM as decoder.■ Utilized nucleus & temperature sampling to build vocabulary with NLTK for the training & validation sets.		
Customer Uplift Prediction (Uplift Modelling)	<ul style="list-style-type: none">■ Recommended optimum range of customers for maximum profit on the Crieto Uplift Data(~14M records).■ Statistically asserted CATE, treated class imbalance with Random Under Sampler for majority resampling.■ Experimented with S-Learner, X-Learner & T-Learner as meta learners using XGBoost as the base classifier.■ Identified persuadable customers by predicting uplift, achieving a best AUUC score of 0.64 with S-Learner.		
POSITIONS OF RESPONSIBILITY & EXTRA CURRICULARS			
Alumni Cell Member	<ul style="list-style-type: none">■ Organized 7 alumni connect sessions & a workshop for 200+ participants Updated PGDBA alumni database.■ Connected with alumni & helped compile interview experiences, supporting batch in placement preparation.		
ELECTIVES : Deep Learning, Healthcare & Supply Chain Analytics		INTERESTS : History, Mythology, Cricket	