

ANIKET SINHA



ACADEMIC QUALIFICATIONS

Year	Degree /Board	University /Institution	%/CGPA
2025*	Post Graduate Diploma in Business Analytics	IIM Calcutta, IIT Kharagpur, ISI Kolkata	-
2020	B.E. Mechanical Engineering	Birla Institute of Technology, Mesra	8.91/10
2016	CLASS XII	Vidya Bharati Chinmaya Vidyalaya, Jamshedpur	91 %
2014	CLASS X	Hill Top School, Jamshedpur	95.33 %

KEY SKILLS/TOOLS Statistical Data Analysis, Business Intelligence, Data Visualization, Python, R, SQL, Power BI, MS Excel

WORK EXPERIENCE (34 Months)

PricewaterhouseCoopers (PwC)	Associate (Technology Consulting)	Kolkata (Sep '20 - Jul '23)
Roles & Responsibilities	<ul style="list-style-type: none"> Managed 15+ reports of 100+ PCs for Pvt Equity Investment Firm, handled 20+ Ad hoc business requests Involved in direct client engagements, identified business opportunities and strategized deliverables 	
Business Intelligence and Analysis	<ul style="list-style-type: none"> Automated Data Validation system, developed complex rule-based algorithm, ↓60+ manual hours/month Strategized end-to-end solution, automated loader generation for db (used VBA), ↓90% manual work/qtr Analyzed trends in HR Data, performed data cleaning, developed Excel Templates from PBI data models 	
Financial Data Analysis	<ul style="list-style-type: none"> Analyzed tables (SQL), developed Power BI Report (used DAX), implemented RLS to track COA files status Developed platform for DuPont and Cashflow analysis, data governance system, used Angular & Python Built and monitored pipeline to ingest data from SharePoint, used Python, Azure Functions, Logic Apps 	
Leadership	<ul style="list-style-type: none"> Led 4-member team to deliver critical project Mentored new hires Presented solutions to stakeholders 	
Rewards & Recognition	<ul style="list-style-type: none"> Received Dazzling Debut award for outstanding performance & commitment within 6 months from joining Received Above and Beyond award and Client Appreciation award for outstanding delivery to the client 	

AWARDS AND ACHIEVEMENTS

Scholarship	<ul style="list-style-type: none"> Awarded merit-based GP Birla Scholarship and received 40% scholarship for 4 semesters in BIT Mesra
Certifications	<ul style="list-style-type: none"> Certified in Oracle Database 11g (SQL) Certified Green Belt on Lean Six Sigma Methodology by KPMG
Case Competitions (2023-24)	<ul style="list-style-type: none"> 1st in Customer segmentation case (IMT Gzb) National Finalist in Stock-mgmt (SQL chatbot) case (BITS) 1st in Recession Prediction case (BITS Pilani) 3rd in Data Visualisation & Analytics case (IIM Ranchi) 2nd in Supply Chain Analytics case (IIT Madras) 2nd in Employee Churn Prediction case (Master's Union)

ACADEMIC PROJECTS

Loan Amount Prediction (Regression)	<ul style="list-style-type: none"> Predicted loan amount using regression model on 30k records & 23 features, handled heteroscedasticity Assessed multicollinearity: VIF, detected outliers: Cook's Distance, inspected auto-correlation: DW-Test. Evaluated OLS, Ridge, Lasso, RF, XGBoost, achieved 20%↑ in adj. R² with XGB Regressor over MLR (base)
Fraud Insurance claim prediction (Classification)	<ul style="list-style-type: none"> Built classification model on 138k+ data, performed feature engineering, handled class imbalance SMOTE Used DT, LR and RF Classifier as base models for stacking classifier, output then fed to meta model (RF) Hyperparameter tuning (GridSearch CV) yielded F1 Score 0.89 & Recall 0.91, 9%↑ over base model (LR)
Ride Demand Forecasting (Time Series)	<ul style="list-style-type: none"> Forecasted hourly demands of rides on 3 months US cab service data, used Ljung-Box for residual analysis Tested stationarity with ADF test, performed STL decomposition, analysed ACF, PACF plots for ARIMA order Implemented SARIMA models, monitored AIC&BIC for model selections and achieved best MAPE of 12.99%
Customer Complaint Classification (NLP)	<ul style="list-style-type: none"> Classified complaints into 5 categories, trained biLSTM, GRU, BERT on 182k data, handled class imbalance Used Glove.6B.50D for word embeddings, improved accuracy from 0.84 (GRU), 0.85 (biLSTM) to 0.88 (BERT)

ADDITIONAL PROJECTS

Question & Answer System (GenAI)	<ul style="list-style-type: none"> Developed RAG based Q&A system by leveraging GPT-3.5 and Langchain, created interface using streamlit Created chunks and generated embeddings using OpenAI Embeddings & used Pinecone for vector storage
Amazon Fashion Recommendation Engine	<ul style="list-style-type: none"> Generated top 10 content-based recommendation for 28k+ apparel, vectorised images using Resnet-50 Constructed BoW, TF-IDF, weighted Word2Vec, SBERT title vectors, stacked image and SBERT title vectors Weighted sum of image, title, brand and colour vectors gave best results with 98% avg Symmetric Similarity
Brain Tumor Detection (Deep Learning)	<ul style="list-style-type: none"> Built CNN model on 5.2k brain MRI scan images to detect presence of tumor, performed data augmentation Leveraged transfer learning with VGG16 model, improved F1 Score to 0.98, 3%↑ over custom CNN model Implemented U-Net model to detect location of tumor, trained with dice loss and achieved mean IoU of 0.4
Customer Segmentation	<ul style="list-style-type: none"> Analysed 5L+ retail store data to segment customers; performed feature engineering, RFM analysis & PCA Used K-Means, Agglomerative & DBSCAN; achieved Silhouette score-0.23 & DB score-1.37 with K-Means

POSITIONS OF RESPONSIBILITY & EXTRA CURRICULARS

Captain - Team Aveon Racing - BIT Mesra	<ul style="list-style-type: none"> Led 40 student-team to manufacture electric vehicle, headed Finance Team, secured 6+ Lakhs sponsorship Organized events at Technical Fest, finished 2nd & 5th among 60+ teams in virtual eBAJA-18 & eBAJA-19
--	---

ELECTIVES : Deep Learning, Comp Fin, Healthcare Analytics, FRM **INTERESTS** : Travelling, Adventure Sports