

PANCHAL DEEPT BIPINCHANDRA



ACADEMIC QUALIFICATIONS

Year	Degree/Board	University/Institution	%/CGPA
2025*	Post Graduate Diploma in Business Analytics	IIM Calcutta, IIT Kharagpur, ISI Kolkata	-
2020	B.E. Computer Engineering	L. D. College of Engineering, Ahmedabad	8.39/10
2016	CLASS XII	Jay Ambe Higher Secondary School, Ahmedabad	83.54 %
2014	CLASS X	Diwan Ballubhai School, Ahmedabad	91.33 %

KEY SKILLS/TOOLS Statistical Data Analysis, Programming, Machine Learning, NLP, Python, R, SQL, Power BI, Git, Excel

WORK EXPERIENCE (33 Months)

ORACLE INDIA PVT.LTD Site Reliability Developer Bangalore (Jul '22 - Jul '23)

Cloud Development	<ul style="list-style-type: none">Developed a pipeline of Cloud Guard service to automate Unit & API tests to detect & respond 50+ recipesImplemented automatic system update with state recovery of Kubernetes pods using Python & CronjobsResolved 200+ vulnerabilities, managed 80+ releases covering 45+ cloud regions and presented 5+ demos
Process Enhancement	<ul style="list-style-type: none">Contributed to an internal Python package to generate automatic Tickets for Change Management RequestAutomated Credential lifecycle mgmt across all cloud regions by replacing outdated password of servicesAchieved overall savings of 40 hours of work per month with enhanced security and operational efficiency

Tata Consultancy Services Systems Engineer Gandhinagar (Sep '20 - Jun '22)

Application Development	<ul style="list-style-type: none">Implemented user preference-based email subscription using SalesforceAPI; ↑click-through rates by 25%Created a Dynamic admin dashboard with filtering for User activity reports from Acquia Cloud DatabaseDeveloped a conference Registration system on a first-come, first-serve basis; ↑ User Interaction by 20%
Training & Awards	<ul style="list-style-type: none">Spearheaded 5 new recruits and delivered Acquia Cloud, SQL and Full Stack Development training sessionsReceived Star Award and Best Team Awards three times, with recognition from Johnson & Johnson, Japan

AWARDS AND ACHIEVEMENTS

Analytics Competitions	<ul style="list-style-type: none">Ranked 4th/900+ in Business Case Analytics (IIM Calcutta) ■ Top 7/1000+ in Data Analytics (IIM Ranchi)Top 12/1700+ in Finance Competition (IIM Ahmedabad) ■ Top 10/1800+ in Business Simulation (XLRI)
Certification	<ul style="list-style-type: none">Completed Machine Learning A - Z : Python certification offered by SuperDataScienceTeam - Udemy ['24]
Achievements	<ul style="list-style-type: none">Institute Rank 3rd in Kaizen - 2020 for Innovative Final Year Project - Human Machine Interface at LDCENational Rank 1st in Competitive Programming at National Student Convention - 2019 organized by ISTE

ACADEMIC PROJECTS

Air Traffic Prediction (Time Series)	<ul style="list-style-type: none">Built a model to forecast 12 months of passenger traffic at San Francisco airport based on 16 years of dataChecked stationarity using ADF test, Analysed ACF-PACF plots for AR & MA order & Ljung-box for residualsApplied ARIMA, SARIMA and LSTM models to achieve MAPE of 1.76%, Reducing RMSE by 80% w.r.t. ARIMA
Product Development (NLP + GenAI)	<ul style="list-style-type: none">Generated feature-based suggestion using 5K web-scraped reviews to enhance new product developmentApplied TF-IDF for text vectorization, LDA & Word2Vec for feature extraction; BERT for sentiment analysisUsed BART for reviews summarization; compared criticality scores from HoQ for product recommendations
Bone Marrow Classification (CNN)	<ul style="list-style-type: none">Developed CNN model for automating bone marrow classification using 170K+ labeled images of 6 classesExercised batch normalise & early stop; Generated saliency & occlusion heatmap for output visualisationLeverage transfer learning with EfficientNet and VGG16 models; Improved test accuracy from 0.90 to 0.93

ADDITIONAL PROJECTS

Cars24 Live Project (Regression)	<ul style="list-style-type: none">Implemented a regression model to predict current Car valuation by leveraging 100K records & 21 featuresHandled multicollinearity using VIF; Used Box-Cox transformation and Analysed Residuals using Q-Q plotApplied DT, RF, LGBM and XGBoost after MLR; Achieved R2 to 0.931 and Reduced RMSE by 14.5% to 0.266
Airtel AF Live Project (Classification)	<ul style="list-style-type: none">Developed a binary classifier for churn prediction in telecom subscribers using 2M records & 30+ featuresHandled class imbalance using SMOTE and scale_pos_weight; trained LR, KNN, RF, XGBoost and AdaboostAchieved best recall of 0.89 and ROC-AUC of 0.86; Reduced churning from 7% to 3% by giving target offers
Chatbot	<ul style="list-style-type: none">Developed ChatBot using Gemma-2B LLM, Fine-tuned with LoRA on 1K Q&A from Databricks; BLEU: 0.65
Targeted Ads (Clustering)	<ul style="list-style-type: none">Segmented E-commerce customers using 5L+ invoice data; performed feature engineering and RFM analysisCluster profiling using KMeans, Agglomerative & DBScan; Silhouette score 0.92 (3 cluster), DB score 0.29
Other Projects	<ul style="list-style-type: none">Credit Risk Modelling (LR) ■ Movie Recommendation (Collaborative) ■ MNIST Digit Classifier (RF, NN)

POSITIONS OF RESPONSIBILITY & EXTRA CURRICULARS

PGDBA Magazine	<ul style="list-style-type: none">Lead Designer of AINA 5.0 - AI & Analytics. Authored an Article Titled "Behind the Scenes, How AI is"
Innovator Club	<ul style="list-style-type: none">Contributed as Website Head in the Innovator Club at LDCE, managing development and designing teams
Event Management	<ul style="list-style-type: none">Event Coordinator at Lakshya Tech Fest - LDCE, overseeing and managing 6 teams for various CS/IT events

ELECTIVES : Big Data, Financial Risk Management, Games & Info **INTERESTS** : Chess, Numismatics