

## ACADEMIC QUALIFICATIONS

Year	Degree /Board	University /Institution	%/CGPA
2025*	Post Graduate Diploma in Business Analytics	IIM Calcutta, IIT Kharagpur, ISI Kolkata	-
2021	B.Tech Chemical Engineering	NIT Trichy	7.04/10
2017	CLASS XII	Velammal Matric Hr. Sec. School, Chennai	94.25 %
2015	CLASS X	Velammal Matric Hr. Sec. School, Chennai	98 %

**KEY SKILLS/TOOLS** Predictive Modeling, Data Visualization, Data Mining, Strategic Thinking, Python, PyTorch, SQL, Excel

## WORK EXPERIENCE (21 Months )

Flexiple Tech Pvt. Ltd.	Community Manager	Bangalore (May '21 - Jan '23)
Operations & Strategy	<ul style="list-style-type: none"> <li>Managed the entire operations of the <b>onboarding pipeline</b> and vetting process for the freelance developers.</li> <li>Led strategic initiatives through <b>user feedback analysis</b>, leading to <b>15% (↓)</b> in the total customer dropouts.</li> <li>Executed a successful <b>customer referral program</b>, consistently acquiring <b>10+</b> new customers each month.</li> <li>Curated <b>focus campaigns</b> to convert cold leads into warm prospects, ensuring the optimal talent inventory.</li> <li>Cultivated and sustained high productive relationships with Flexiple's community members and key clients.</li> </ul>	
Analytics	<ul style="list-style-type: none"> <li>Developed <b>dynamic Excel dashboards</b> to expedite talent recommendations, inc. (↑) client satisfaction by <b>20%</b>.</li> <li>Utilized <b>pivot tables/charts</b> in Excel to identify process bottlenecks, enhancing internal projects outcomes.</li> <li>Achieved <b>35% (↑)</b> in database efficiency, saving 1 hour daily, through internal process enhancement projects.</li> </ul>	
Key project (Product Revamp)	<ul style="list-style-type: none"> <li>Devised and implemented a revamped onboarding process dashboard with the <b>VP of Marketplace</b> and the Product team, resulting in <b>30% (↓)</b> in process time and a <b>45% reduction in dropouts</b> across pipeline stages.</li> </ul>	

## ACADEMIC PROJECTS

Car Price Prediction (Regression)	<ul style="list-style-type: none"> <li>Conducted <b>Regression analysis</b> to predict used car price with <b>1500+</b> data points and 14 features using <b>OLS</b>.</li> <li>Applied <b>Log transformation</b> to mitigate <b>Heteroscedasticity</b>, addressed high Influential &amp; Leverage points.</li> <li>Validated model assumptions, assessed <b>Multicollinearity</b> by using <b>VIF</b> &amp; Employed <b>Lasso</b> for regularization.</li> <li>Improved overall <b>Adjusted R-squared</b> value from 0.604 to 0.77 &amp; reduced test <b>MSE</b> by approximately <b>37%</b>.</li> </ul>
Automated Resume Screening (NLP)	<ul style="list-style-type: none"> <li>Implemented an objective resume screening model using <b>over 2,300</b> resumes and standard job descriptions.</li> <li>Labelled the dataset by calculating <b>cosine similarity</b> between JD &amp; resumes using <b>TF-IDF</b> word embeddings.</li> <li>Extracted features using <b>Word2Vec</b> and applied <b>SVM, Bi-LSTM &amp; BERT</b>, attaining highest <b>F1 Score</b> of 0.74.</li> </ul>
Airline RPK Prediction (Time Series)	<ul style="list-style-type: none"> <li>Forecasted RPK for the Australian Domestic Airline service for 12 months by using <b>35 years historical data</b>.</li> <li>Examined stationarity using <b>Aug. Dickey-Fuller test</b>, applied seasonal differencing &amp; detrending to the data.</li> <li>Identified MA and AR orders using <b>ACF, PACF</b>, &amp; leveraged <b>Ljung-Box statistics</b> to verify auto correlations.</li> <li>Fitted <b>SARIMA</b> model, achieving <b>MAPE ~1.75%</b>, compared models using <b>AIC</b> score &amp; reduced MSE by 22%.</li> </ul>

## ADDITIONAL PROJECTS

Loan purchase (Classification)	<ul style="list-style-type: none"> <li>Built a <b>Random Forest</b> model to predict potential customers &amp; plotted <b>feature importance</b> with <b>XGBoost</b>.</li> <li>Tuned hyper-parameters for XGBoost using <b>Optuna</b> to achieve a <b>recall of 0.96 (↑4%)</b> and AUC score of <b>0.99</b>.</li> </ul>
HR Analytics (Classification)	<ul style="list-style-type: none"> <li>Predicted employee attrition with top 20 features selected by <b>RFE</b>; handled class imbalance using <b>SMOTE</b>.</li> <li>Used <b>Logistic Regression</b> as base model, improved <b>F1 score</b> by to 0.93 (increased by 18%) using <b>Light GBM</b>.</li> </ul>
Quality Inspection (CNN)	<ul style="list-style-type: none"> <li>Developed a <b>CNN</b> model to identify defects in cookies using 5k images data &amp; performed data augmentation.</li> <li>Leveraged transfer learning with <b>ResNet50 &amp; DenseNet121</b>, resulting in approximately <b>99%</b> test accuracy.</li> </ul>
Hospital-charge Clustering	<ul style="list-style-type: none"> <li>Applied <b>K-means</b> and <b>Single-linkage agglomerative clustering</b> techniques to categorize various hospitals.</li> <li>Leveraged the <b>elbow method</b> to identify the optimal no. of clusters and achieved a <b>silhouette score</b> of <b>0.58</b>.</li> </ul>

## AWARDS AND ACHIEVEMENTS

Certificates	<ul style="list-style-type: none"> <li>Completed <b>Deep Learning</b> certification from NPTEL, Acquired <b>Marketing Analytics</b> certificate from Udemy.</li> </ul>
Case competition	<ul style="list-style-type: none"> <li>Ranked (<b>Top 4 among 420</b>) in STATISTILLA, Annual <b>Dashboarding</b> competition conducted by IIT BHU '23.</li> <li>National Finalist (<b>7 out of 200</b>) in Spark Tank, a <b>Data Science Case</b> competition hosted by IIM Rohtak in '24.</li> <li>Ranked (<b>Top 9 among 940</b>) in IDB Analytics 3.0, <b>Analytics case competition</b> conducted by IIM Calcutta '23.</li> </ul>

## POSITIONS OF RESPONSIBILITY &amp; EXTRA CURRICULARS

Chairperson (ChEA)	<ul style="list-style-type: none"> <li>Selected to lead a team of <b>50 members</b> in directing a national chemical Engg. symposium with <b>500+</b> footfall.</li> <li>Executed <b>10+</b> events &amp; 3+ workshops with INR <b>125K</b> budget; footfall by 10% YOY through campus publicity.</li> </ul>
Alumni Cell, PGDBA	<ul style="list-style-type: none"> <li>Organized <b>7 alumni connect</b> sessions &amp; workshop for <b>200+</b> participants  Updated PGDBA alumni database.</li> <li>Connected with alumni &amp; compiled <b>50+ interview</b> experiences, supporting batch in placement preparations.</li> </ul>
Organizing Manager (Festember)	<ul style="list-style-type: none"> <li>Managed inventory and procurement for a <b>15,000+ attendees</b> fest, <b>20% (↓)</b> cost via vendor negotiations.</li> <li>Achieved notable improvement in <b>inventory turnover</b> and minimized waste through data-driven planning.</li> </ul>

ELECTIVES : Health Care Analytics, Pricing &amp; Revenue Opt.

INTERESTS : Sociology, Badminton

