

NIKHIL KATIKI

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PROFILE

- Master of Sciences in Business Analytics student seeking a position in Data Science roles
- **Tools and Programming Skills:** Python, SQL, Excel, SAS, Tableau, GitHub, PowerPoint, Pytorch
- **Courses:** Prescriptive and predictive analytics, Data Mining, Time Series Forecasting, Unstructured Data, Machine Learning, Deep Learning, Pricing, Agile, Marketing Management, Cluster analysis, Change Management

EDUCATION

Purdue University, Krannert School of Management – West Lafayette, IN **June 2022**
Master of Science in Business Analytics and Information Management, CGPA: 3.71/4.0

National Institute of Technology, Jamshedpur, India **May 2017**
B.Tech. (Hons.), Electronics and Communication Engineering

PROFESSIONAL EXPERIENCE

SIL International **Indiana, USA**
Data Scientist **Jan 2022 – now**

Multilingual Semantic Domain

- Deploy massively multilingual dictionary in GraphQL through ETL using **Hugging face and TensorFlow** saving \$3000 and 100+ man hours per project

HSBC Analytics **Bengaluru, India**
Assistant Manager **May 2020 – July 2021**

Model Monitoring

- Analyzed strategies, built **challenger model** using python, improved profit by 0.5% amounting to \$1mn
- Directed a **Business Intelligence** Project with business head streamlining data analysis and saved 0.5 FTE
- Supervised, trained, and mentored 5+ new joiners in **Basel regulatory modelling**

EXL Service **Bengaluru, India**
Consultant **September 2017 – April 2020**

Smart Collect and APAC

- Built **collections model**, strategy using python and **AWS** to digitally optimize by incrementing revenue of 10%
- Successfully converted **POC to full time** client by adding a business value of \$2.3mn in 2 months

CECL Modelling

- Conducted **survival** analysis on **PD, Logit EAD** models for personal loans business to calculate lifetime losses
- Developed segment level historical loss rate **credit risk models** using **reversion to mean**
- Led a team of 3 analysts to deliver models with **<10% error rate** per quarter

Impairment Forecasting

- Assisted banking client in creating IFRS 9 **Impairment** reporting for \$5.2bn loans business for 10 markets
- Predicted future PDs with 90% accuracy and performed **stress testing** to assess bank health

Data Sales MI

- Deployed a visualization tool using **SQL & Tableau** for \$5bn retail banking products, reduce mitigation by 2%
- Achieved a target of 1mn CASA accounts through **data driven cross-selling** to increase revenue by 3%

ACADEMIC PROJECTS

Retail Recommender | Designed system to recommend products using **Association rule mining, Collaborative filtering** with an AUC ≈ 0.88 to improve user activity and user engagement.

Wildfire Predictions | presented a wildfire prediction model with an accuracy of 84% for **Machine Learning Hackathon** by Tredence Inc.; Won 3rd position among 40+ teams across the world

NLP Classification on Craigslist | Improved customer and advertiser experience for jobs on Craigslist by providing subcategories for resumes using **LSTM**; projected increase in customer satisfaction by 5%

Bankruptcy Prediction | Designed automated **decision-making** tool for customer acquisition for credit card portfolio of a bank with ROC ≈ 0.8 to enhance revenue

LEADERSHIP ACTIVITIES, CERTIFICATIONS

- **Volunteering:** Co-founder of Sparsha Blood foundation; Public Relations head; Captain of Badminton
- **Certifications:** Marketing Management, **AWS Cloud Practitioner**, Statistics with R, **SAS Optimization**