# AAKASH DWIVEDI

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**PROFESSIONAL EXPERIENCE**

**Data Scientist (Credit Strategy)**, *Money Mart Financial Services*  **Mar 2021-Present**

* Responsible for supervising risk analysis and reporting performance of loan products using Tableau dashboards
* Leading efforts for developing underwriting strategies for expansion into new products and channels
* Supervised development efforts for new credit risk models using ML models including Logistic Regression, XGBoost etc.
* Improved model delivered an incremental performance of 12% in identifying delinquent customer

**Analytics Consultant II (Data Science)**, *ExlServices*  **Aug 2020-Feb 2021**

* Worked on internal(teller) and check frauds for a major banking and financial services client based in Pittsburgh
* Responsible for managing and coordinating efforts between various workstreams working in internal and check frauds
* Worked with Pyspark interface to create data processing pipelines and created fraud models using ML Library
* The ML model replaced existing system and decrease the FPR by 60% and saved around $800K in fraud investigations

**Research Analyst**, *Oklahoma State University*  **Jan 2019-May 2020**

* Worked on energy saving project about Midwestern commercial workshops for US Department of Energy
* Segmented commercial workshops to identify respective assessment needs based on power consumption
* Leveraged machine learning to build predictive models for predicting recommendations implementation
* New ML-model increased recommendations acceptance by 12%

**AI Intern,** *Apilation* **May 2019- Aug 2019**

* Delivered time series forecasts using ARIMA to predict daily incoming call/email/mail/chat volume for a banking client
* Conducted a segmentation and profiling analysis for a telecom company using RFM analysis
* Leveraged customer lifetime value modeling to help identify valuable customer for a retail client
* Develop marketing strategies using CLTV model that increased revenue by $150K

**Senior Data Analyst,** *Capgemini*  **Mar 2015-Apr 2018**

* Delivered credit scoring model to optimize customer boarding process for a major banking and credit products company
* Created fraud detection model on transactional data which increased detection by 7.5%
* Developed A/B testing strategies to increase click-through rate and conversion rate for digital streaming client
* Conducted requirement analysis and was responsible for creation of SRS, PRD and RTM Documents

**CERTIFICATIONS**

*Data Visualization* Tableau Desktop Specialist, Power BI for Data Analyst, SAS visual analytics using SAS Viya

*Programming Tools* Python, Base SAS, Ms-Sql, PostgreSQL, Apache Spark, Pyspark

*Industry Specific* Recommender System, Credit Risk Modelling, A/B Experiment Design **TECHNICAL SKILLS**

*Programming Languages* Python, R, SAS Enterprise Miner, SAS Viya, SAS Enterprise Guide, Base SAS, SQL, C++

*Libraries* SciKit-learn, Pandas, NumPy, Matplotlib, TensorFlow, Keras, LSTM, CNN, RNN

*Statistical Analysis* Isolation Forest, SVM, ANOVA ,Regression, Random Forest, NLP, Gradient Boosting, Forecasting, A/B Testing

*Tools* Tableau, Alteryx, Power BI, Anaconda, DataRobot, HDFS, MapReduce, AWS Athena, AWS Sagemaker

# EDUCATION

# Master of Science in Business Analytics | Oklahoma State University, Stillwater OK | GPA 3.7 Jul 2018- May 2020 *Relevant Coursework*: Descriptive Analytics, Advanced Visualization, Advanced Business Analytics, Predictive Analytics, Forecast Analytics, Statistics Experimenter I and II, Web Analytics, Digital Marketing, Marketing Management, Big Data Analytics, Advance DBMS

# Bachelor of Technology in Electronics and Communication Engineering | GGSIPU, India | GPA 3.4 Jul 2010 -Jun 2014

**ACADEMIC PROJECTS**

**BreaktheChain- ML Engineer Nov 2019-May 2019**

* The objective of application is to help law enforcement agencies to curb human trafficking using data science
* It uses text analytics to predict and classify listing on various website to see if it involves human trafficking
* The project was awarded in first position for both phases by OSU Application development competition 2020

**FAA Project – Team Leader Aug 2018-May 2019**

# Led team to establish project scope, proposal and assigned job roles within team

# Created various predictive and descriptive models to help identify factors affecting participant attrition and resource utilization

# The recommendations helped improved participant attrition by 11% and resource utilization by 8%

**ACHIEVEMENTS**

* Awarded 1st place for ‘From research to app’ competition by Oklahoma state University for both phase 1 and II
* Won Stellar award for being best performer across Altran north India region in Q3 2016