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Prashanth Thirukkurungudi Sekar
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EDUCATION

Master of Science, Data Science	Indiana University Bloomington, USA (GPA: 3.97)	**Aug 2018 - Dec 2019**
Bachelor of Technology, Computer Science and Engineering	SASTRA University, India (GPA: 3.76)	**Jun 2012 - May 2016**

TECHNICAL SKILLS

- Languages: R, Python, C++, SQL, Hive, Spark
- Softwares: R Studio, Jupyter Notebook, Power BI, Tableau
- Libraries/Packages: data.table, dplyr, DMwR, shiny, sparklyR, ggplot2,caret, pandas, numpy, scikit-learn

WORK EXPERIENCE

TransUnion LLC, (Chicago, USA)

Senior Data Scientist   **Apr 2021 – Present**

- Develop predictive models and business intelligence solutions for various financial service institutions
- Led the design and development of attributes and algorithms that asses the consumer's behavior after an occurrence of a specific condition
- Collaborate with internal and external partners to deliver innovative analytical products and insights
- Drive new business initiatives and deliver long term value-added product propositions for B2B customers

Data Scientist   **Jan 2020 – Mar 2021**

- Performed statistical analysis to aid a successful negotiation, leading to a partnership with a global human capital management (HCM) solutions organization
- Built an interactive dashboard to investigate lenders' compliance with resolving disputes and aided a presentation given to the US Consumer Finance Protection Bureau
- Developed and implemented an attribute set to respond to the rapid industry changes caused by COVID-19 pandemic
- Assisted in the development of various generic models across different verticals within the organization

Data Science Intern   **May 2019 – Dec 2019**

- Built a single scorecard solution to predict the likelihood that a consumer would take a certain action to help lenders target the top segment of the population. The solution resulted in a 11% lift over the benchmark score
- Developed a challenger model using Regularized Greedy Forest which resulted in an additional lift of 5% when compared to the champion model
- Developed custom attributes and algorithms followed by an audit of the items in production for a consumer lending company
- Built a custom model to predict the likelihood of a consumer falling under a specific legal process as a part of the innovation lab for an online lender

Indiana University (Bloomington, USA)

Research Assistant   **Oct 2018 – Dec 2019**

- Researched about the factors impacting Opioid and other narcotic overdoses across the country through exploratory data analysis and fixed effects regression models
- Explore the impact of Medicaid work requirement legislation on employment and medicaid enrolments in the states of IN, AK, KY and NH through interactive visualizations and dashboard using PowerBI and ShinyR

Customer Analytics India Pvt Ltd (Chennai, India)

Data Analyst   **May 2016 – May 2018**

- Developed a recommendation system using the "Item Based Collaborative Filtering" algorithm for one of the largest furniture manufacturers in the US and built a predictive model to identify the probability of a customer returning thereby helping in the email marketing campaign
- Collaborated with a team of 3 others to building a forecasting model projecting the sales of newly launched and existing items
- Worked on building an automated forecasting tool to provide generic forecasts. Consisted of linear regression followed by machine learning algorithms such as Gradient boosting, Random Forest and a few time series models involving ARIMA, Holt-Winters and Exponential Time Series

ACHIEVEMENTS AND AWARDS

- Awarded **2020 Top Achievement Award** by TransUnion to recognize my work during the year 2020
- Ranked among **Top 4% of the Data Scientists** in the **Kaggle** platform with the highest rank of 1,193 out of 81,627
- **Secured 3 Medals** (1 Silver and 2 Bronze) in **Kaggle** competitions
- One of the Winners of the **NSE-ISB** Code sprint conducted by **National Stock Exchange and Indian School of Business**
- **Developed and licensed an algorithm** built for **Fantasy Premier League** player points projections to a draft platform