Mobile: (585) 710-1632   **PRAVEEN CHANDRASEKARAN**

Email: pc2846@g.rit.edu   GitHub: https://github.com/Praveen271195   LinkedIn: tinyurl.com/mrfns2y4

ACADEMICS

Master's in Data Science	**Aug 2021 – Aug 2023**
Rochester Institute of Technology, Golisano College of Computing & Information Sciences	GPA: 3.5
Bachelor of Engineering	**Jun 2013 – May 2017**
Anna University, St. Joseph's College of Engineering	GPA: 3/4

WORK EXPERIENCE

ML & Security Lab, Rochester Institute of Technology   New York, United States
Graduate Research Assistant   *Dec 2021 - Present*
- Implemented Dempster Shafer Theory of Uncertainty to assign mass functions on RADAR sensor dataset to accurately classify all 11 spoofed data inputs with incorrect class labels in autonomous vehicle system.

Luxgenic Infotech   Chennai, India
Data Analyst Volunteer   *Mar 2021 – May 2021*
- Defined a success metric and used A/B testing to enhance user interaction of customer's website by collaborating with web developers which increased conversion rate by 25%.

Daimler Trucks Asia   Chennai, India
Senior Engineer – Analyst   *Apr 2019 – Mar 2021*
- Performed cost analytics for discovering raw material cost trends using Time Series Forecasting that led to 21 cost saving ideas that had the potential of saving 15,000 EUR.
- Generated KPI Dashboards using Power BI for tracking performance metrics like cost reduction from the supplier's first quote to estimate potential savings for future supply settlements.
- Built a cost prediction tool modeled using Linear Regression to reduce the calculation lead time by 30%.

Daimler Trucks Asia   Chennai, India
Analyst Trainee   *Apr 2018 – Apr 2019*
- Designed and created SQL relational databases to extract queries for data analysis to generate cost reduction, saving 20% of sourcing cost to the company.
- Performed statistical analysis using Python on cost and vendor data to create dashboards to interpret cost impact.

DATA SCIENCE PROJECTS

Academic Projects   *Fall 2021 – Spring 2022*
- **Recommending refactoring methods** with 70% accuracy to address Self-Admitted Technical Debts in software projects using Random Forest & Logistic Regression with NLP techniques.
- **Predicting used car selling price** with 76% accuracy using Linear Regression based on 4 variables. The model's assumptions were verified using residual vs predicted plot & normal quantile plot, implications of input features were verified using t-test - Link

Personal Projects   *Spring 2021 – Fall 2021*
- Created a Covid-19 dashboard to visualize global data which was scrapped from the Johns Hopkins repository to keep track of the spread of the virus during the pandemic. Plotly and Dash were used for development - Link
- Implemented movie recommendation systems using content-based and collaborative filtering models - Link
- Implemented a classification model using pyds module that is built based on Dempster Shafer theory to classify IRIS dataset which performs better than the other common classification models - Link

TECHNICAL SKILLS

- **Programming & Database:** Python, Java, HTML, MySQL, Database designing (ER diagrams)
- **Statistics & ML Techniques:** A/B testing, Hypothesis testing, Classification & Regression modeling
- **Data Analysis & visualization packages:** JMP Pro, PowerBI, Tableau, Matplotlib, Seaborn, Plotly, Dash

COURSEWORKS

- **Completed:** Data Science & Analytics, Applied Statistics, Software Construction, Database Design with SQL
- **Enrolled:** Advanced topics in Data Science – Neural Networks, Software Engineering for Data Science