Vishnu Priya Jyesta

• vjyesta@outlook.com • Ph: +1 (470) 257-6138 • https://github.com/PriyaJyesta • http://linkedin.com/in/vishnu-priya-jyesta

EDUCATION

Master of Professional Studies in Data Science ***2020 - 2021***
University of Maryland, Baltimore County GPA:3.88/4

Bachelor of Technology, Electronics, and Instrumentation Engineering ***2012 - 2016***
GITAM University, Gandhi Institute of Technology and Management, India GPA: 3.79/4

SKILLS

AI/ML: Supervised and Unsupervised Learning, Regression, Random Forest, Decision Trees, kNN, SVM, Clustering, Pandas, NumPy, Sci-kit Learn.
Programming skills & Analytical Tools: Python, PL/SQL, Power BI, Angular 2/5, HTML5, CSS3(Bootstrap), Redux, JavaScript, SQL, STATA, JIRA, MS Excel, GitHub, Visual Studio, Data Structures and Algorithms
A/B Testing: A/B testing methodology, Statistical analysis, Experiment design, Data interpretation, Hypothesis testing ***GitHub***: [link]
Product: Product metrics, Measuring Product Quality, Metric investigation, Product improvement ***GitHub***: [link]

WORK EXPERIENCE

Data Analyst
Fiserv | Sunnyvale, CA ***2021 - Present***

- Enhanced fraud detection by analyzing transaction patterns and identifying trends for 40+ banking clients using Zelle® and TransferNow® Products.
- Designed statistical criteria and rules to flag high-risk transactions during the onboarding of American Savings Bank to Zelle®, ensuring a secure transition.
- Collaborated with Product Managers to engineer new risk processes, successfully reducing fraud loss for TD Bank from 67bps to 13bps.
- Automated model performance reports, encompassing Gains, Positive Detection Rates, and False Positive Rates, for the top 50 clients of TransferNow®, optimizing efficiency.
- Developed PL/SQL procedures targeting high-risk transactions, including identification of gibberish emails and suspension of high-risk contact names, resulting in a 4% reduction in fraud instances.
- Crafted Risk Strategy and Analytics dashboards for diverse banks, actively participating in review meetings with clients to align strategies with their objectives.

Data Science Intern
Index Analytics LLC | Baltimore, MD ***2021***

- Conducted comprehensive data analysis on Centers for Medicare & Medicaid Services (CMS) data, involving cleaning, pre-processing, and visualization for classification and predictive analysis.
- Implemented a machine learning ensemble, evaluating model performance metrics, and ensured thorough documentation adherence to CMMI guidelines using JIRA and SharePoint.

Data Analyst
Tata Consultancy Services | Hyderabad, India ***2017 - 2019***

- Collaborated on intricate SQL queries for data retrieval, creating performance metrics dashboards on Tableau, and delivering weekly reports to leadership.
- Engineered and automated data pipelines, reducing manual efforts, project time, and operational costs by 40%, while also preparing bi-weekly reports and root cause analyses, and providing production support through cross-functional consultations

Software Engineer
Tata Consultancy Services | Hyderabad, India ***2016 - 2017***

- Developed a sophisticated front-end application with HTML, Angular, and Redux, integrating data from multiple API endpoints for efficient state management.
- Demonstrated proficiency in code versioning tools like GIT and tools such as NPM, ensuring streamlined development processes.
- Executed comprehensive responsibilities including writing unit test cases with Jasmine, debugging, enhancing accessibility, and providing timely solutions for major incidents in the production environment.

PROJECTS

Analysis of Customer Churn in Telecom **[Python]**

- Implemented data cleansing, data transformation, data visualization and built predictive models using Random Forest Classifier, Logistic Regression predicting churn to improve customer retention.

Real Time Face Mask Recognition System **[Python]**

- Trained a COVID-19 face mask detector with OpenCV, Keras/TensorFlow, and using Deep Learning detecting the face from the webcam stream, saved the frames containing the face, passing these frames to mask detector classifier to find out if the person is wearing a mask or not.

Beijing Multi Site Air Quality **[Python]**

- Analyzed the relation between temperature and concentration of pollutants to predict PM2.5 Levels in the air to determine the air quality in Beijing for the years 2013-2017