**PRAMIT GOPAL YEOLE**

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**EDUCATION**

**Northeastern University, Boston, MA Jun 2023**

Master of Science (MS), Industrial Engineering (GPA: 3.92/4.00)

* *Courses*: Probability & Statistics, Data Mining, Statistical Methods, Machine Learning, NLP, Deep Learning

**The LNM Institute of Information Technology (LNMIIT), Jaipur, India Nov 2020**

Bachelor of Technology (BTech), Mechanical Engineering

* *Societies:* ASME, SAE

EXPERIENCE

**Inkbit, Boston, MA Jul 2022 – Dec 2022**

*Quality Assurance & Data Engineer Co-op*

* Developed and maintained 2 data pipelines which were integrated to the mainframe software of Inkbit Vista
* Implemented regression models(linear, multiple, and logistic regression) to determine parameters that improve dimensional accuracy of the 3D printed parts
* Pioneered Data Warehouse development on PostgreSQL working cross functionally with 4 Teams
* Performed statistical, exploratory data analysis on 3D printing data to identify important features and metrics for process improvement
* Designed methodologies to reduce the time by 50% in data collection process

**Transitional Vision Lab, Northeastern University, Boston, MA May 2022 – Jun 2022**

*Research Assistant*

* Implemented k-means clustering algorithm to find the association between eye tracking data and image states by aggregating 6 clusters
* Conducted Data profiling(Structure, content, and relationship discovery) to identify redundancy and assess the data quality issues
* Developed Data integration model that combines the eye tracking data of 21 individuals having 3600 rows each

**SKILLS**

* **Tools & Technologies:** Git, AWS, Tableau, Power BI, Jira, JMP, Snowflake, Apache Spark, MongoDb, MySQL, PostgreSQL, Docker
* **Programming Languages:** Python, SQL, R, C, SQL, NoSQL
* **Industry:** Statistics, Probability, Design of Experiments, A/B Testing, Data Mining, Regression, Classification, Clustering, Dimension Reduction, NLP, Neural Networks
* **Frameworks:** Pandas, NumPy, Matplotlib, seaborn, scikit-learn, TensorFlow, Keras, PyTorch, NLTK

**PROJECTS**

**Correlation of Pupil Parameters with Image States Jan 2022 – May 2022**

* Extracted human eye data using efficient SQL queries from experiments on 21 individuals
* Performed Data Cleaning, Feature Selection, Data Exploration, and visualization using Python
* Implemented supervised ML models (Ensemble Models, Regression, KNN) to classify image states

**NBA player performance analysis Feb 2022 – Apr 2022**

* Leveraged exploratory data analysis of to determine 6 key metrics for analysis
* Implemented regression analysis to predict player with highest individual stats over the next 5 seasons
* Conducted feature engineering on 450+ players data to identify key features that relate to a player’s success

**Root Cause Analysis of Burning of Resettable Fuse in Wiper Motor Assembly Jul 2020 – Nov 2020**

* Minimized failure rate to 9% as compared to previous 15% deploying DMAIC methodology
* Identified root cause of burning of fuse through 5 Why, PFMEA, and Fishbone Analysis
* Analyzed failure data of past 3 years to categorize and quantify defects in each component

**ACHIEVEMENTS**

* Published and presented research paper in 25th National and 3rd International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTC-2019). DOI: <http://dx.doi.org/10.1615/IHMTC-2019.750>
* Awarded 1st prize in innovative design competition, “Pratibimb” at intercollegiate techno-management festival