

# Pranay Kumar Chakilam

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## PROFESSIONAL EXPERIENCE

### Data Engineer | [Allison Transmission](#) | Indiana, USA

Jan'24 – Present

- Devised streamlined data delivery approaches and introduced creative methods for delivering insights.
- Integrated disparate data sources, ensuring a cohesive digital representation of the company and Leveraged Python, PySpark, and SQL to extract and manipulate substantial data.

### Data Analyst Intern | [Allison Transmission](#) | Indiana, USA

May'23 – Aug'23

- Implemented data integration solutions to aggregate data from multiple sources into a centralized data repository and conducted data cleaning and validation tasks to ensure accuracy.
- Designed and developed scalable data pipelines for efficient data extraction, transformation, and loading (ETL) processes and designed efficient database structures to optimize data storage and retrieval processes.

### Graduate Teaching Assistant | Purdue Polytechnic Institute | Indiana, USA

Aug'22 – Dec'23

- Supervising 5 practical labs of Graphical Communication and Spatial Analysis each having 25 students.
- Provided multifaceted teacher/classroom support and conducted office hours each week.

### Research Analyst | [DCMME](#), Purdue University | Indiana, USA

May '22 – Aug'22

- Analyzed US imports data in SQL databases and delivered the findings to Food, and Retail industries.
- Cultivated a successful BI team of 3, created 20+ insightful dashboards and successfully scaled our metrics from the ground up, and presented an actionable **PowerBI** report to suggest changes to manage imports.

### Planner-I | [TechnipFMC](#) | Hyderabad, India

Jul '19 - Dec '21

- Developed **SQL Queries** by processing data from **Amazon Redshift** to improve real-time reporting of Project Metrics, saving **\$72k yearly** in reduced downtime.
- Spearheaded the Automation of creation of Service Orders(continuous improvement) using **Python** to address the workforce issue and automated movements in SAP WMS using **Macros** to avoid human errors.

## SKILLS & COMPETENCIES

Data Analytics & Visualization:	Python(Pandas, NumPy), MS Excel, Tableau, Power BI, Looker Studio
Data Engineering & Warehousing:	Microsoft Azure, AWS, Snowflake
Data Science & Big Data:	Machine Learning, Natural Language Processing, Spark
Database Management:	SQL Server, MySQL, PostgreSQL
IDEs:	Jupyter Notebook, Visual Studio Code, Google Colab
Supply Chain:	Inventory Management, MRP, Supply Chain Analytics

## EDUCATION

### Purdue University – Indiana, USA – CGPA 3.61/4

Jan '22 – Dec '23

- Master's in Industrial Engineering
- Coursework: Data Engineering, Data Mining, Big Data, Cloud Computing

### Vasavi College of Engineering – Telangana, India – CGPA 9.02/10

Jul'15 - Apr '19

- Bachelor's in Mechanical Engineering | Top 5% in Cohort
- Epass Scholarship (\$7000 awarded to the top 2% of Engineering Students)

## PROJECT EXPERIENCE

### Mobile Games: A/B Testing | Python [<https://github.com/pranaychakilam/A-B-Testing>]

- Investigated an AB-test in the mobile game Cookie Cats to move the gate from level 30 to 40 and implemented bootstrapping to determine the degree of certainty in the player retention rates.
- Proposed that the gate should not be moved if we want to maintain good retention.

### Detection of Breast Cancer [<https://github.com/pranaychakilam/BreastCancerPrediction>]

- Formulated the code for Logistic Regression Classifier to predict whether a tumor is benign or malignant based on its characteristics and performed K-Fold Cross Validation and achieved an accuracy of 96%.