

# SATHVIK PUTTA

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## PROFILE SUMMARY

Data Analyst with hands-on experience in data engineering and cloud technologies. Interned at TRIX.edu, Hyderabad, and served as a Microsoft Azure & Power BI Analyst at ICT Academy, Chennai. Skilled in designing ETL pipelines, database migration, and developing data-driven solutions using Azure, Databricks, and Power BI. Graduated with a master's in data science in the USA, with a strong focus on innovation, process optimization, and impactful data solutions.

## WORK EXPERIENCE

### Data Engineering Intern

Mar 2021 – Dec 2021

TRIX.edu

Hyderabad, India

- Built ETL pipelines with Azure Data Factory & Databricks for efficient data integration.
- Migrated MySQL to Azure SQL, enhancing performance and scalability
- Processed diverse data sources and created Power BI dashboards for academic insights
- Optimized performance, ensured security, and documented workflows per governance standards

### Microsoft Azure and PowerBI Analyst

Oct 2022 – Feb 2023

ICT Academy

Chennai, India

- Trained in Microsoft Azure, Databricks, and cloud-based data management, focusing on ETL pipeline development and data architecture.
- Applied skills in cloud computing, data migration, and business intelligence using Azure Data Factory, Power BI, and SQL
- Worked with Azure, Databricks, and Power BI for data integration, transformation, and reporting.
- Developed and optimized scalable, secure data pipelines for structured and unstructured data (CSV, JSON, SQL).

## PROJECTS

### Northeastern United States traffic accident trends: a geospatial and statistical analysis using python [IEEE](#) | [GitHub](#)

- **Objective:** Analyze traffic accident trends in the Northeastern US using geospatial and statistical analysis with Python.
- **Key Features:** Data processing and analysis of traffic accidents, focusing on factors like speeding, alcohol-impaired driving, and insurance premiums.
- **Techniques:** Python, Pandas, Scikit-learn, Matplotlib, Seaborn for data processing, statistical analysis, and trend visualization.
- **Highlights:** Presented research at ICICT 2025, identifying key insights about driving behavior, accident severity, and insurance costs, with recommendations for improved road safety and targeted interventions.

### Enterprise Data Migration and Analytics Pipeline | ICT Academy

- **Objective:** Develop a data migration and analytics pipeline using Azure, Databricks, and Power BI.
- **Features:** Migrate legacy databases to Azure SQL, implement real-time ETL pipelines, and create interactive dashboards.
- **Techniques:** Use Azure Data Factory for integration, Databricks & PySpark for transformation, and Power BI for visualization.
- **Highlights:** Enabled seamless migration, built a scalable architecture, and delivered real-time business insights.

## SKILLS

- **Programming Language:** Python, C++, C, JavaScript, HTML/CSS, SQL
- **Cloud & Big Data:** Microsoft Azure, Databricks, Azure DevOps
- **Frameworks:** Flask, Django, FastAPI, ReactJS, ExpressJS, Node.js, React Native
- **ETL & Data Engineering:** Building ETL pipelines, Data transformation, Data Modeling.
- **Database & Data Movements:** SQL, MongoDB, MySQL, SAP.
- **Visualization & Analytics:** Tableau, Power BI, Matplotlib, Data Architecture.

## EDUCATION

### Master of Science in Data Science and Engineering

Jan 2024 - Present

Sacred Heart University, Connecticut, USA

**Relevant Coursework:** Big Data Analytics, Advance Database Design, Data Science Architecture, Deep learning, Machine Learning, Text Based Analysis, Applied Statistics.

### Bachelor of Technology in Computer Science and Engineering

Aug 2019 - May 2023

Saveetha School Of Engineering, India

**Relevant Coursework:** Python, Java, R-Programming, SQL, Data Structures, Data Visualization, Artificial Intelligence, Computer Networks, Operating systems, Cloud Computing, Predictive Analysis.