

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 – Mar 2025

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.