SATHVIK PUTTA

+1(475) 837 8069 ◇ New Haven, CT

puttasathvik16@gmail.com ◇ LinkedIn ◇ GitHub

PROFILE SUMMARY

Data Analyst with hands-on experience in data engineering and cloud technologies. Gained expertise as a Data Engineering Intern at TRIX.edu, Hyderabad, and as a Microsoft Azure and PowerBI Analyst at ICT Academy, Chennai. Skilled in designing ETL pipelines, migrating databases, and creating data-driven solutions using Azure, Databricks, and Power BI. Proficient in Python, JavaScript, and cloud technologies. Currently pursuing a master's in data science and engineering in the USA. Proficient in Python, JavaScript, and cloud technologies. Passionate about leveraging technical expertise to drive innovation, streamline processes, and deliver impactful results in software engineering and data analysis.

WORK EXPERIENCE

Data Engineering Intern   Mar 2021 – Dec 2021
TRIX.edu   Hyderabad, India

- Designed and implemented **ETL pipelines** for data transformation and integration using **Azure Data Factory & Databricks**.
- Migrated a **legacy MySQL database** to **Azure SQL**, optimizing query performance and improving system scalability.
- Processed **structured and unstructured data** from multiple sources, including **CSV, SQL, and JSON**.
- Collaborated with academic departments to design and deploy **data-driven dashboards** and analytics solutions using **Power BI**.
- Conducted performance optimization and enhanced data architecture to support scalable and secure data solutions.
- Documented project workflows, created **data dictionaries**, and ensured compliance with data governance standards.

Microsoft Azure and PowerBI Analyst   Oct 2022 – Feb 2023
ICT Academy   Chennai, India

- **Technical Skills Gained:** Trained in **Microsoft Azure**, **Databricks**, and **cloud-based data management solutions**, including **ETL pipeline development** and **data architecture best practices**.
- **Hands-on Experience:** Implemented training in real-world scenarios, focusing on **cloud computing**, **data visualization**, **data migration**, and **business intelligence** using tools like **Azure Data Factory**, **Power BI**, and **SQL**.
- **Tools Used:** Worked extensively with **Microsoft Azure** for cloud services, **Databricks** for data transformation and pipeline development, and **Power BI** for interactive data visualization and business analytics. Leveraged these tools for **end-to-end data integration**, **data governance**, and **reporting**.
- **Additional Expertise**: **Developed and optimized data pipelines,** processed **structured and unstructured data (**e.g., **CSV, JSON, SQL databases**)**,** and ensured scalability and security in cloud environments.

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.

SKILLS

Languages:	Python, R, C, Java.
Cloud & Big Data:	Microsoft Azure, Databricks, Azure DevOps
Machine Learning:	Regression, Classification, Clustering, Pandas, NumPy, Jupyter PyTest, Natural Language Processing (NLP).
Deployment and Production:	Flask, Fast API, Azure.
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.
Platforms:	Linux, Ubuntu, Windows.
Web Technologies:	HTML5, CSS3, Java Script, ReactJS.
Soft Skills:	Project management, Collaboration, Problem-solving, Critical thinking, Creative thinking.

PROJECTS

Accurate prediction of student performance in online education during COVID using Machine Learning and Deep Learning Algorithms

- **Objective**: Predicting student performance in online education during the COVID-19 pandemic using machine learning and deep learning models.
- **Features**:
    - Data cleaning, preprocessing, and feature engineering.
    - Sentiment analysis to assess student feedback on online learning environments.
    - Prediction of student performance based on behavioral, academic, and interaction data.
- **Techniques**: Machine Learning (Random Forest, SVM), Deep Learning (Neural Networks), Sentiment Analysis, Feature Engineering, Data Visualization (confusion matrices, accuracy plots).
- **Highlights**: Achieved accurate predictions of student outcomes with insights into key performance factors, enabling data-driven strategies for improving online education.
- **Project Published:** IEEE || GitHub

Enterprise Data Migration and Analytics Pipeline | ICT Academy

- **Objective:** Developing an enterprise data migration and analytics pipeline to efficiently manage and analyze data using Azure, Databricks, and Power BI.
- **Features:**
    - Migration of legacy on-premises databases to Azure SQL for enhanced scalability and performance.
    - Design and implementation of optimized ETL pipelines for real-time data processing.
    - Creation of interactive dashboards to provide actionable business insights and track key performance metrics.
- **Techniques:**
    - **Azure Data Factory** for cloud-based data integration.
    - **Databricks and PySpark** for data transformation and pipeline optimization.
    - **Power BI** for interactive data visualization and business intelligence.
- **Highlights:**
    - Enabled seamless data migration with zero data loss, improving operational efficiency.
    - Designed a robust data architecture that supports scalability and adheres to data governance policies.
    - Delivered a system capable of providing real-time insights and supporting future business requirements.

CERTIFICATION

- Microsoft Certified: Azure Data Engineer
- ICT Academy: Microsoft PowerBI
- Great Learning: Python Programming Language
- Hacker Rank: MySQL
- Hacker Rank: SQL for Data Science