

Solomon Panduga

716-416-8033 | solomonraj11@gmail.com | [linkedin.com/in/solo11](https://www.linkedin.com/in/solo11) | [Portfolio](#) | github.com/solo11

EDUCATION

University at Buffalo, SUNY

Master of Science in Computer Science

Buffalo, NY

Aug. 2022 – Feb 2024

Karunya University

Bachelor of Science in Computer Science,

Tamil Nadu, India

Aug. 2016 – May 2020

EXPERIENCE

Software Engineer (Data Warehousing for EMR Data)

Nov 2020 – July 2022

Accenture

Hyderabad, India

- On-boarded customers onto the SAAS platform, gathered analytical and data needs performed data cleaning, data gathering and data modeling and transformation with the goal of extracting analytics from patient data and developing custom solutions.
- Collaborated with my team to design and implement ETL pipelines and solutions in Azure cloud using Databricks, Snowflake, Airflow, and DBT. Terraform for infrastructure creation and management.
- Developed customized analytical algorithms within Databricks and Snowflake, addressing complex challenges in EMR data analysis resulting in improved patient evaluation and care practices.
- Developed real-time streaming pipelines using Kafka and Azure Stream Analytics for continuous data monitoring, creating dashboards for data trends, patterns, and insights in Tableau and Power BI - Dashboard refresh time reduced to 30 seconds.
- Migrated and upgraded data analysis algorithms from legacy SSIS projects to Azure Databricks, achieving 90% improvement in Spark query performance by fine-tuning and optimizing for terabyte-scale data processing and real-time data handling. Awarded a fast-track promotion within a year of working.

CERTIFICATIONS

Databricks Certified Data Engineering Associate - [Verification](#)

Azure Data Fundamentals - DP 900 - [Verification](#)

DBT Fundamentals - [Verification](#)

PROJECTS | ([more at - pevsnr.com/posts](#))

Earthquake Events - Data Engineering Project | *DBT, Snowflake, Azure ADF, SQL, Tableau*

- A dashboard that can be used for tracking earthquake events across the world with trends, graphs and plots. The dashboard updates every day.
- ETL pipeline built with DBT, Snowflake, Azure ADF and Tableau. Change Data Capture (CDC) in DBT and upserts to Snowflake [View dashboard](#)

Buffalo Housing Realty - Data Engineering Project | *Databricks, Web Scraping, Azure blob, Azure SQL, Tableau*

- A dashboard that is useful for real estate companies to track the houses sold within a given area for analyzing the trends, price and demands.
- ELT pipeline built with Databricks, Azure Blob Storage, Azure SQL Database, and Tableau. web scraping data from Zillow [View dashboard](#)

Social Media NFT Dapp | *Full stack, React, Blockchain*

- A decentralized app built with blockchain to share photos as an NFT to maintain ownership, uniqueness and trading of the asset. Duplicate image detection using bit comparison and assign a value. - [View web app](#)

Privy - A chatbot for the privacy questions | *Chatbot, LLM, GPT, LAMA, Generative AI*

- Chatbot trained on the Privacy Policies of social media companies, A user-friendly, interactive tool designed to break down the privacy policies and provide clear, accessible information to users.
- Developed three different models with GPT 3, LLama2 and Zephyr to compare the results and performance.

SKILLS AND RELEVANT COURSEWORK

Coursework: Data-intensive computing, Reinforcement learning, Computer vision, Analysis of algorithms, Blockchain, Natural language processing, Software security

Languages: Python, C/C++, SQL, NoSQL JavaScript, HTML/CSS, Shell Script

Frameworks: Databricks, Spark, DBT, Snowflake, Tableau, Azure cloud, Airflow, SSIS, AI/ML, Blockchain, Generative AI, Language models, PowerBI, MongoDB, Google collab, Tensorflow, Open AI, React, Node.js

Developer Tools: Git, Docker, Terraform, Azure Cloud, AWS, VS Code, Visual Studio, Jupyter Notebook

For fun: Chess fan, a decent COD player, jam on Guitar, doom scroll Reddit, a music enthusiast.