Venkata Narayana Batthi

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SUMMARY

A highly motivated and detail-oriented aspiring Data Engineer with hands-on experience in Microsoft Azure Data Factory, Synapse Analytics, and Microsoft Fabric.
Passionate about building scalable ETL pipelines and working with Lakehouse architectures.
Seeking an entry-level Data Engineering role to apply my cloud and data transformation skills in solving real-world business problems.

EDUCATION

B.Tech in Electronics and Communication Engineering, PSCMR College Of Engineering And Technology (GPA: 7.91) — 2021 — 2025, Vijayawada, India

Intermediate in MPC , Vasavi Junior College, Narasaraopet, India (GPA: 7.71) — 2018 — 2020, Narasaraopeta, India

SSC, Z.P High School (GPA: 8.7) — 2017 — 2018, Kolukula, India

CERTIFICATIONS

SQL (Basic), HackerRank — Apr '25

SQL (Intermediate), HackerRank — Jul '25

CSS (Basic), HackerRank — May '25

PROJECTS

UWB Microstrip Patch Antenna for Wireless Applications

- Designed and simulated a UWB microstrip patch antenna resonating at 4 GHz, covering 1.7 GHz to 9.69 GHz for wireless communication, radar, and biomedical applications.
- Implemented a semi-circular slot and modified inset feed to enhance bandwidth and impedance matching.
- Used HFSS (High Frequency Structure Simulator) for 3D electromagnetic simulation and performance analysis.
- Achieved wide bandwidth supporting sub-6 GHz 5G, WLAN, UWB, and radar frequencies
- Fabricated the antenna on FR4 substrate (εr = 4.4) for cost-effective and wearable design.
- Analyzed key antenna parameters such as S-parameters, VSWR, gain, and radiation pattern.
- Optimized antenna structure for portable and wearable device integration.
- Ensured compliance with FCC UWB standards in terms of spectral mask and return loss.

Retail Sales ETL Project Link

- Designed and developed an end-to-end ETL pipeline using Microsoft Fabric.
- Ingested and transformed sales data into Lakehouse tables using Pipelines and Dataflows.
- Performed data transformation and cleansing using Synapse Notebooks.
- GitHub: https://github.com/Venkatanarayana-batthi/RetailSales_ETL_Fabric

AcademicPerformanceDB — SQL Project for Academic Data Management Link

- Built a SQL-based Academic Performance DB to manage student grades, SGPA, and CGPA across 8 semesters.
- Applied database normalization, foreign key constraints, and aggregate summary calculations.

SKILLS

Cloud Technologies Azure Data Factory, Azure Synapse Analytics, Microsoft Fabric
Programming Languages HTML5, CSS, Python
Database Management SQL
Languages English, telugu