

Abhiram S

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

SUMMARY

Data Engineer skilled in building production-grade ETL pipelines, cloud workflows, and scalable PySpark transformations. Experienced with Azure, Databricks, Delta Lake, and end-to-end data automation (CDC/SCD). Strong foundation in algorithms, distributed systems, and real-world data modeling. Delivered pipelines handling 50k+ records/day with automated CDC and end-to-end validation.

EDUCATION

Karnataka College of Management and Science, Bangalore, KA

Bachelor of Computer Applications - Sept 2022 – Jul 2025

Relevant coursework: Data Structures & Algorithms, AI, ML, Web Development, Database Management Systems.

TECHNICAL SKILLS

Data Engineering: PySpark, Delta Lake, ADF, Databricks, Azure Data Lake

Programming: Python, SQL, C, C++, Java

Cloud: Azure, AWS

Databases: SQL Server, MongoDB, MySQL

Tools & OS: Git, Docker, Jupyter Notebook, Power BI, Linux, Mac

Web: Node.js, Express.js, React.js, REST APIs

PROJECTS

End-to-End Azure ETL Data Engineering Project – Oct 2025 – Nov 2025

Azure Data Factory, Databricks, Data Lake, SQL Database, Logic Apps

- Built a metadata-driven ETL pipeline spanning Bronze → Silver → Gold layers with CDC & auto-backfills.
- Reduced deployment time by 25% via reusable PySpark notebooks + Jinja SQL templates.
- Improved pipeline reliability by 35% through automated validation & retry logic.
- Automated alerts & multi-environment deployments via Logic Apps & Databricks bundles.

Automated Stocks Data Pipeline & Analysis System – Nov 2025 – Present

Python, AlphaVantage API, SQL, Docker

- Designed and implemented an automated ETL pipeline for stock data, programmatically extracting datasets from the AlphaVantage API.
- Conducted rigorous data standardization (time/date, symbols, pricing) to ensure data quality before loading into a Local SQL Database.
- Enabled fully automated daily stock updates with zero manual intervention.
- Reduced daily manual data reporting effort by 100% through full automation.

WORK EXPERIENCE

CTF Developer Feb 2025 – Apr 2025

Durbhasi Gurukulam PVT LTD

- Engineered 5+ Capture-the-Flag challenges (CTF) challenges using Node.js/Express, covering vulnerabilities such as JWT forgery, session hijacking, SSRF, and CSRF.
- Containerized the sandboxed environments with Docker Compose and automated flag validation in Node.js and Express, reducing deployment time by 30%.
- Authored detailed walkthroughs and hint tiers that cut average solve-time variance by 20%, improving overall learner engagement.