

Abhiram S

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SUMMARY

Analytical Data Engineer (9.0 CGPA) focused on building scalable, production-ready data solutions. Expertise in full-cycle pipeline development (Azure, PySpark, Delta Lake) with a proven ability to leverage engineering rigor, automation (CDC/SCD), and advanced analytics to transform complex data into actionable business value.

EDUCATION

Karnataka College of Management and Science, Bangalore, KA

Bachelor of Computer Applications CGPA 9.0 Sept 2022 – Jul 2025

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

TECHNICAL SKILLS

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

Data Engineering & Cloud: Azure, ADF, Databricks, Docker, SQL, PySpark

Platforms: Git, Jupyter Notebook, AWS, Linux, Power BI

Web Development: Node.js, Express.js, React.js, HTML, CSS, REST APIs

PROJECTS

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

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

- Built a metadata-driven ETL pipeline on Azure to automate ingestion, transformation, and loading across Bronze, Silver, and Gold layers (Medallion architecture).
- Developed incremental ADF pipelines with CDC logic and automated backfilling.
- Created Databricks PySpark notebooks for scalable transformations and Jinja2-based SQL templates for dynamic, reusable queries.
- Implemented real-time streaming and SCD logic using Delta Lake for accurate, incremental updates.
- Integrated Azure Logic Apps for automated email alerts and Databricks bundles for seamless multi-environment deployments.

Automated Financial Data Pipeline & Analysis System – Oct 2025

- 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

Web-Security CTF series – Feb 2025

- CTF platform hosting challenges with dynamic scoring and user analytics dashboard.
- Developed and deployed 5+ Capture-the-Flag (CTF) challenges using Node.js/Express, covering vulnerabilities such as JWT forgery, session hijacking, SSRF, and CSRF.

EXPERIENCE

CTF Developer Feb 2025 – Apr 2025

Durbhasi Gurukulam PVT Ltd

- Developed and deployed 5+ Capture-the-Flag (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.