

# Siva V

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## EDUCATION

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University Of Missouri-Kansas City

JAN 2023 – JULY 2024

- Masters In Computer Science

## WORK Experience

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Ameriprise Financial  
Data Engineer

AUG 2024 – Present  
Minnesota,USA

- **Built full-stack analytics dashboards** using React and FastAPI that visualize data from crawled web sources and mobile app metadata, enabling actionable insights for sales and marketing teams.
- **Designed data models and schemas** for large-scale web crawl datasets in PostgreSQL, enabling efficient querying, data normalization, and indexing for high-throughput analysis.
- **Developed distributed ingestion services** using Python and AWS (Lambda, S3, Step Functions), ingesting millions of records daily from multiple sources with fault tolerance and retry logic.

Wipro  
Software Engineer

Jan 2021 – NOV 2022  
Remote,India

- I've built backend systems in Python and PostgreSQL that handled large amounts of data, often working with APIs and batch processing to move data efficiently and reliably.
- I really enjoy working on internal tools—things like automating dev setups with scripts, improving CI/CD pipelines, and just making life easier for the team. I've gotten pretty good at spinning up environments fast and shipping code on day one.
- Outside of work, I love exploring new tech. I've played around with Rust, done some static analysis on APKs just out of curiosity, and even built small web apps with TypeScript. I genuinely enjoy digging into low-level systems and figuring out how things work under the hood.

## Technical Skills

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- **Languages:** Python, Rust (learning), JavaScript/TypeScript, SQL, Bash
- **Databases:** PostgreSQL, MySQL, Data Modeling, Query Optimization
- **Backend:** FastAPI, Flask, REST APIs, Async Programming
- **DevOps/Infra:** Linux, Git, Docker, CI/CD, Nix (exploring)
- **Other:** AWS, Web Crawling, ETL Pipelines, Static Analysis, Prometheus, Side Projects

## Projects

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- **AWS-Powered Data Lake for Insurance Analytics**
  - Took the lead on building a modern data lake using AWS S3, Glue, and Lambda to replace our legacy Mulesoft ETL system.
  - Set up automated pipelines to pull in healthcare and policy data from multiple sources and convert it into analytics-ready formats.
  - Optimized storage with Parquet and partitioning, which made downstream queries significantly faster.
- **Building Scalable Data Systems**
  - I've engineered data pipelines using **Python, AWS, and SQL** to process large-scale datasets, ensuring that data is clean, reliable, and accessible for real-time analytics and reporting. I thrive in designing systems that can scale, optimize, and automate data flows seamlessly.