

Someshkumar Srihari Hemanthkumar

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Professional Summary

Results-driven Data & Cloud Engineer with 2+ years of experience designing scalable data pipelines, cloud-native solutions, and advanced analytics across AWS, GCP, and Azure. Proven expertise in ETL/ELT, distributed data systems, and BI reporting with strong experience in SQL, Python, and Spark. Skilled in bridging engineering with business analytics to deliver insights that drive measurable impact. Hands-on experience in DevOps, system reliability, and serverless performance optimization. Adept at solving complex problems, collaborating cross-functionally, and delivering production-ready solutions at scale.

Technical Skills & Certifications

Programming & Data: Python, SQL, PySpark, Pandas, NumPy, Hadoop, Hive
Cloud & Data Engineering: AWS (EC2, Lambda, Glue, Redshift, S3), GCP (BigQuery, Dataflow, Composer, Pub/Sub), Azure (Synapse, Blob Storage), ETL/ELT, Data Modeling, Streaming Pipelines, Airflow
DevOps & Analytics: Docker, Kubernetes, Terraform, GitHub Actions, Jenkins, Ansible, Linux/Unix, Power BI, Tableau, Looker, IBM Cognos, Excel (Advanced)
Other & Certifications: Systems Reliability, Cloud Cost Optimization, Serverless Caching (Redis), Agile/Scrum, GCP Associate Cloud Engineer, Microsoft Power BI Data Analyst Associate

Work Experience

Business Intelligence Analyst Intern, Bay Ltd. – Texas May 2025 – Present

- Engineered automated ETL pipelines with Powershell, C# and SQL for ERP and financial systems, improving reporting accuracy by 30%.
- Developed PowerBI dashboards for fraud detection and vendor risk analysis, supporting finance and compliance teams.
- Built credit card expense anomaly models using Power BI & IBM Cognos, uncovering \$100K+ in potential savings.
- Integrated Hyland Unity Forms into reporting workflows, digitizing document handling and streamlining compliance.

Graduate Research Assistant, Texas A&M University – Kingsville, TX June 2024 – Present

- Built scalable survey analytics pipelines in Python/SQL for economic research spanning 1,000+ records per project.
- Conducted geospatial analysis of banking deserts using PostgreSQL + QGIS, influencing regional financial inclusion research.
- Supported serverless research thesis on cold-start latency in AWS Lambda, evaluating Redis caching vs. no-cache solutions.

Fellow – Forward Program, McKinsey & Company – Remote April 2025 – July 2025

- Developed skills in problem-solving, stakeholder engagement, and digital collaboration.

Data Analyst, Prime Connexar – Bengaluru, India June 2022 – July 2023

- Developed Python-based credit risk models analyzing 100K+ loan records, improving decision accuracy by 25%.
- Automated reporting pipelines in SQL + Excel VBA, reducing manual reporting time by 60%.
- Built ETL workflows with Snowflake and MySQL for structured and unstructured client data ingestion.
- Collaborated with stakeholders to design financial KPIs and dashboards used for client credit risk strategies.

Project Experience

Real-Time Financial Transactions Pipeline (GCP)

Simulated streaming ingestion of financial transactions using Pub/Sub + Dataflow, processed into BigQuery, and visualized with Looker Studio and designed for real-time fraud detection and compliance analytics.

Infrastructure Automation for BI Systems (Terraform + AWS)

Automated provisioning of multi-node Tableau clusters with EC2, S3, and RDS integration using Terraform and also implemented Ansible playbooks for configuration management, improving deployment speed by 40%.

Education

Texas A&M University Kingsville, TX, USA
Master of Science in Computer and Information Science, GPA: 3.9/4.0 May 2024 – December 2025

Visvesvaraya Technological University Bengaluru, KA, India
Bachelor of Engineering in Computer Science, GPA: 3.6/4.0 August 2019 – May 2023