Someshkumar Srihari Hemanthkumar

somesh1st@gmail.com | +1 (361)-455-5073 | | [LinkedIn](#) | [Github](#)

Professional Summary

Cloud-focused engineer with a strong background in **cloud infrastructure, DevOps automation, and data engineering**, backed by real-world industry experience and graduate-level research. Experienced in designing **cloud-native pipelines, serverless architectures, CI/CD workflows, and infrastructure as code** across AWS and GCP. AWS re:Invent Grant Participant with hands-on exposure to production-grade cloud systems. Seeking entry-level to early-career roles in **Cloud Engineering, DevOps, SRE, or Cloud Data Engineering**.

Education

Texas A&M University, Master of Science in Computer and Information Science, GPA: 3.93/4.0   May 2024 – December 2025
Visvesvaraya Technological University, Bachelor of Engineering in Computer Science, GPA: 3.6/4.0 August 2019 – May 2023

Technical Skills & Certifications

Cloud Platforms: AWS (EC2, S3, IAM, VPC, ALB, Lambda, CloudWatch, SNS), GCP (Compute Engine, BigQuery, IAM)
DevOps & Infrastructure: Terraform, Docker, GitHub Actions, CI/CD, Infrastructure as Code, Serverless Architectures
Data Engineering: Python, SQL, PySpark, Apache Airflow, ETL Pipelines, Snowflake, MySQL
Analytics & BI: Power BI, Tableau, IBM Cognos, Data Modeling, KPI Dashboards
Monitoring & Reliability: CloudWatch Metrics & Alarms, Logging, Synthetic Health Checks, Incident Runbooks
Security & Networking: VPC Design, Security Groups, Least-Privilege IAM
Certifications: Google Cloud Associate Cloud Engineer, Microsoft Power BI Data Analyst

Work Experience

Graduate Research Engineer, Texas A&M University – Texas   June 2024 – December 2025
- Led **data-intensive research initiatives** including Banking Deserts geospatial analysis (QGIS, U.S. Census), economic forum surveys, and CPA exam trend studies, delivering high-accuracy insights while maintaining strict data confidentiality.
- Supported **system operations and process reliability** by assisting with learning management system setup, resolving technical issues, and coordinating large-scale events, demonstrating ownership, dependability.

Business Analyst & Corporate Systems Intern, Bay Ltd. – Texas   May 2025 – August 2025
- Developed **production Power BI and IBM Cognos reports** supporting financial, operational, and fraud-related analytics across enterprise systems.
- Assisted with **automation between corporate systems**, reducing manual reporting overhead and improving data consistency and reliability.
- Collaborated with stakeholders to validate outputs, issues, and support ongoing **system and data workflow enhancements**.

Cloud Data Engineer, Bootstrap Sports Retail India Pvt. Ltd. – Bengaluru, India   June 2023 – May 2024
- Designed and operated **cloud-based ETL pipelines** using **Python, SQL, PySpark, and Apache Airflow**, automating ingestion of player performance and match data from multiple APIs.
- Built **Power BI dashboards** to track athlete KPIs, injury risk indicators, and training loads, enabling data-driven decisions.
- Developed **machine learning models** (regression, classification) to forecast player performance and game outcomes, improving predictive accuracy by $\tilde{2}2\%$.

Data Analyst, Prime Connexar – Bengaluru, India   June 2022 – May 2023
- Built **data cleaning and transformation workflows** using Python and SQL, improving data quality by $\tilde{3}5\%$.
- Developed predictive analytics models supporting customer retention initiatives, increasing retention metrics by $\tilde{4}6\%$.
- Designed interactive dashboards enabling near real-time KPI monitoring and improving stakeholder decision-making by $\tilde{5}7\%$.

Project Experience

CI/CD & Infrastructure Automation on AWS: Built containerized API on AWS ECS Fargate using Terraform, GitHub Actions for CI/CD, with CloudWatch monitoring.
SRE Monitoring & Incident Response Simulation: Created synthetic health checks, simulated failures, added dashboards and postmortem templates.
Cloud Data Pipelines (AWS & GCP): Developed real-time and batch pipelines using Pub/Sub, Lambda, BigQuery, S3, and SNS for scalable processing.