Subash Sasikumar

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Experience

Data Engineer Intern, Genworth Financial – Richmond, VA / Remote   Sept 2024 – Aug 2025
- Developed interactive Incorta and Power BI dashboards that identified bottlenecks, reduced ticket resolution time by 40%, and presented findings to the Investments IT team to address root causes
- Refactored a 1,000+ line SQL query handling 100K+ rows by modularizing transformations into Incorta materialized views, improving runtime by 40%
- Engineered a PySpark and SQL pipeline ingesting 50K+ ServiceNow records via REST API into Incorta with incremental loads for faster processing

Operations Intern, dScribe AI (Y Combinator S25) – Plattsburgh, NY   Sept 2025 – Present
- Architected and deployed secure remote-management infrastructure for NVIDIA Jetson edge-AI systems, configuring Linux kernel parameters and Tailscale mesh VPN for zero-trust access, integrating autonomous drone and 3D-vision data pipelines with founders' client operations

Cloud Engineer Intern, Genworth Financial – Remote   May 2024 – Aug 2024
- Automated nightly backups for 50+ non-production EC2 instances using AWS Lambda and Terraform, enforcing compliance with IAM and SCP guardrails
- Designed and presented new IAM and Service Control Policies aligned to NIST 800-53, strengthening enterprise-level access governance
- Implemented AWS monitoring stack (CloudTrail, GuardDuty, Security Hub, Config) in a hub-and-spoke model to centralize visibility and alerting

Projects

Technical Project Lead - CRM Automation & Data Engineering – Freelance Project for Coryer Staffing Company
- Led a 2-person technical team to build a Python-based automation platform using REST API integrations between Bullhorn CRM and Jotform, eliminating 100% of manual candidate data entry and streamlining workflows.
- Engineered an ETL pipeline in Python with pandas to clean, validate, and merge Excel exports and online applications, improving CRM data accuracy and reducing duplicate records through automated validation rules

Enhanced Breast Cancer Tumor Classification using MobileNetV2 – Butler Journal of Undergraduate Research
- Published a MobileNetV2-based breast-cancer classifier with 82% accuracy, 82% precision, and 81% recall in *Butler Journal of Undergraduate Research Vol 10*; originally released as a preprint on arXiv
- Developed a Streamlit web application for real-time tumor classification, integrating a backend of 780 ultrasound images and writing comprehensive user and system documentation

Education

The State University of New York at Plattsburgh – Plattsburgh, NY   Expected May 2026
Bachelor of Science (Honors), Computer Science; Minor in Data Analytics   GPA: 3.56
- Outstanding Achievement in Computer Science Award, College of Arts & Sciences (May 2025)

Skills

Programming and Query Languages: Python, C, SQL
Data and Analytics: PySpark, Incorta, Jupyter Notebook, SQL Server Management Studio (SSMS)
Cloud and DevOps: AWS (Lambda, Control Tower, CloudTrail, GuardDuty, Security Hub), Terraform, Linux
Certifications: Incorta 6 for Developers, Incorta 6 Essentials for Business Analysts, Oracle Cloud Infrastructure Foundations Associate
Languages: English (Fluent), Tamil (Fluent), Hindi (Advanced)