ATHUL SUNIL

Data Analyst | Cybersecurity | SQL | Python | AI/ML Projects
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PROFESSIONAL SUMMARY

Analytical **Data Analyst** with hands-on experience supporting **audit, risk, and data governance engagements at Deloitte**, using **PySpark, SQL, and Python** to prepare, validate, and reconcile large-scale financial datasets. Holds an **MSc in Cyber Security**, with applied knowledge of **risk controls, data integrity, secure data handling, and anomaly identification** in regulated environments. Experienced in debugging data quality issues, performing control reconciliations, and producing analysis-ready datasets and Power BI/Excel outputs. Able to bridge **cybersecurity, data, and audit requirements**, working effectively with technical and non-technical stakeholders across finance and risk-focused domains

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EDUCATION

Nottingham Trent University	Nottingham, UK
MSc in Cyber Security	**January 2024 - February 2025**
Vellore Institute of Technology	Bhopal, India
B.Tech in Computer Science & Cyber Security	**June 2019 - July 2023**

SKILLS SUMMARY

Programming & Data Tools: Python (pandas, numpy, matplotlib, scikit-learn), SQL (joins, aggregations, subqueries), Excel (PivotTables, VLOOKUP, dashboards), Power BI, Tableau (basic), Wireshark
Machine Learning: Random Forest, SVM, logistic regression, anomaly detection, model tuning
Data Tasks: Data cleaning, preprocessing, exploratory data analysis (EDA), feature engineering, KPI tracking, dashboard reporting
Platforms: Windows 10/11, Linux (Ubuntu), Azure (Certified), VMware, GitHub
Tools: Jira (ticketing), VPNs, Firewalls, Google Sheets, APIs (basic integration)

WORK EXPERIENCE

Data Analyst | Deloitte - UK   **September 2025 – Present**

- Support audit and risk engagements by ingesting, cleaning, and validating large-scale financial datasets using PySpark, SQL, and Python on cloud-based data platforms.
- Build and maintain PySpark transformation pipelines to standardise schemas, manage null handling, reconcile balances, and integrate GL, TB, and CoA datasets.
- Implement data validation rules, integrity checks, and control reconciliations, debugging ingestion and transformation failures to meet audit and regulatory standards.
- Use SQL for complex joins, aggregations, and filtering, and troubleshoot issues related to schema mismatches, date formats, currency handling, and account mappings.
- Deliver analysis-ready datasets and downstream Excel/Power BI outputs, working closely with auditors, analysts, and stakeholders to resolve data blockers and ensure timely delivery.

Junior Data Analyst (Freelance Projects) | Remote   **April 2024 – September 2025**

- Built interactive dashboards using Power BI to track customer behavior and sales data for a local e-commerce business.
- Conducted EDA on marketing datasets to uncover campaign trends and deliver client reports with actionable insights.
- Automated Excel reports using formulas and pivot charts, reducing reporting time by 30%.

IT Operations Support | MBLM – Dubai Branch   **January 2023 – December 2023**

- Built, repaired, and maintained Windows OS PCs for internal global users.
- Performed software deployments, updates, and troubleshooting for endpoint devices.
- Managed desk setups and breakdowns for new joiners and leavers.
- Maintained shared IT assets (meeting rooms, hot desks), ensuring readiness and accessibility.
- Monitored Jira ticketing system and chat channels to resolve requests promptly.
- Tracked IT hardware assets and organized inventory for efficient support response.
- Kept the IT workspace clean, organized, and compliant with safety protocols.

Information Technology Intern | Warsan Advertising, Dubai   **October 2022 – January 2023**

- Assisted with Linux-based monitoring tool setups and desktop troubleshooting.
- Documented hardware/software issues and provided frontline end-user support.

PROJECTS

AI/ML-Based Malicious Traffic Detection   **April 2024 – September 2024**

- Simulated diverse cyberattack scenarios to train and validate detection algorithms.
- Conducted end-to-end testing and performance tuning to enhance system accuracy and reduce false positives.
- Collaborated on error handling and data optimization, ensuring stable operation in dynamic environments.
- Authored comprehensive deployment documentation to support reproducibility and future scaling.

Sales & Marketing Data Dashboard   **November 2023 – December 2023**

- Designed a dynamic sales performance dashboard to track regional KPIs for a retail dataset.
- Used DAX formulas and slicers for deep filtering and user interaction.
- Analyzed seasonal trends and generated weekly executive summaries.

AI-Driven Phishing URL Detection   **December 2022 – May 2023**

- Built an AI-powered phishing detection tool using Random Forest and SVM algorithms, achieving 92%+ detection accuracy.
- Developed and deployed a user-friendly web interface for real-time URL submission and threat alerting.
- Conducted extensive testing to troubleshoot edge cases and reduce false positives.
- Deployed software updates iteratively, ensuring stability and responsiveness in varied environments.
- Documented setup procedures and user guides to support end-user adoption and maintenance.

CERTIFICATIONS

- **Advanced SQL – HackerRank**   **May 2025**
  Skills: SQL
- **Build a Computer Vision App with Azure Cognitive Services – Microsoft**   **May 2025**
  Skills: Azure, AI Integration
- **Microsoft Certified: Azure Fundamentals – Microsoft**   **June 2022**
  Skills: Cloud Computing, Azure Basics
- **Problem Solving (Intermediate) – HackerRank**   **May 2022**
  Skills: Logic, Algorithms

- **SQL (Intermediate) – HackerRank**   **May 2022**
  Skills: Database Queries, Joins, Aggregation
- **Data Analytics Virtual Experience – Forage**   **February 2022**
  Skills: Data Analysis, Support Operations
- **Introduction to Cybersecurity – Cisco Networking Academy**   **March 2022**
  Skills: Cybersecurity Fundamentals, VMware
- **ISEA Certified Cyber Hygiene Practitioner – MeitY, Govt. of India**   **October 2021**
  Skills: Security Hygiene
- **The Bits and Bytes of Computer Networking – Coursera**   **July 2020**
  Skills: Networking Fundamentals

KEY STRENGTHS

- Strong problem-solving and analytical thinking
- Effective communicator across technical and non-technical teams
- Proven ability to turn raw data into actionable insight
- Team player with leadership experience and a results-oriented mindset

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AVAILABILITY

Immediate – open to hybrid or on-site roles across the UK.
References available on request.