

Lavakush Arrabothu

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Summary

Energetic and detail-oriented Data Analyst with a robust foundation in geospatial data handling, network security, and IT systems management. Experienced in analyzing complex datasets, creating insightful reports, and optimizing workflows across various sectors, including local government, consultancy, and engineering. Proficient in SQL, FME, Python, data visualization, and automation, with a strong focus on delivering data-driven insights that support decision-making, enhance operational efficiency, and mitigate risks. Skilled in using FME for efficient geospatial data integration and transformation and leveraging Python and R for data analysis and process automation. Adept at collaborating with cross-functional teams to implement solutions and ensure data integrity.

Experience

1. **GIS Officer**

City Of Kalgoorlie-Boulder | Jul 2024 – Present

- **Data Collection and Analysis:** Assisted in the development and refinement of geospatial datasets, extracting and analyzing data from SQL, Excel, and ESRI file geodatabases to ensure accuracy and reliability for various applications.
- **Map Creation and Reporting:** Contributed to the generation of maps and geospatial reports by analyzing spatial data, providing actionable insights to support decision-making.
- **Data Automation:** Developed FME automation workflows to streamline data handling and processing, improving efficiency and accuracy across geospatial data management tasks.
- **System Administration:** Supported the administration of GIS platforms, managing system configurations, user access, and troubleshooting to maintain optimal system performance.
- **Field Application Development:** Collaborated with field teams to design and deploy GIS applications, improving data collection and analysis workflows for field operations.
- **Supported Routine Updates of Geospatial Data:** Engaged in regular updates to keep geospatial datasets current, including verifying and incorporating new data, correcting errors, and documenting changes effectively.
- **Python Scripting:** Experienced in developing Python scripts for automation and data processing, such as creating automated workflows for data extraction, transformation, and reporting.
- **FME Automation:** Strong expertise in using FME to automate data handling, processing, and reporting, enhancing data workflows and operational efficiency.

- **ArcGIS Pro & ArcMap:** Skilled in creating and managing maps, performing spatial analysis, and developing automated solutions for map creation and reporting.

2. IT Technical Systems Analyst

City Of Kalgoorlie-Boulder | Jan 2024 - Jul 2024

- **Level 1 & 2 Support:** Delivered technical support for company infrastructure, including servers, software, and hardware, ensuring compliance with SLA guidelines.
- **Device Management:** Managed company-owned devices, handling issue resolution, tracking, and control to ensure smooth operations.
- **Network Infrastructure:** Contributed to the planning, installation, and maintenance of data and voice network infrastructure, supporting IT operations.
- **IT Service Desk Development:** Helped develop and maintain IT Service Desk procedures, improving support processes and operational efficiency.
- **System Optimization:** Utilized tools like Intune, Microsoft AD, and Azure to optimize system performance and enhance IT infrastructure.
- **Compliance & Safety:** Ensured adherence to company policies, procedures, and safety guidelines, contributing to a compliant and secure work environment.

3. Data Analyst - Intern

Composite Materials Engineering PVT LTD | Jul 2022 - Oct 2022

- **Data Trend Analysis:** Analyzed complex data sets to identify trends and growth opportunities, providing actionable insights through detailed reports and presentations to clients and stakeholders.
- **Data Evaluation & Documentation:** Evaluated organizational methods, created source-to-target mappings, and developed information-model specification documents to improve data handling.
- **Report Creation & Visualization:** Designed best-practice reports based on data mining, analysis, and visualization, effectively communicating findings to support business decisions.
- **Data Handling & Cleaning:** Developed and maintained protocols for the processing, handling, and cleaning of data, ensuring data quality and consistency.

4. Network Security Engineer

InsertV Consultancy Services PVT LTD | Feb 2018 – Jan 2020

- **Network Security Design & Implementation:** Designed, implemented, and maintained robust network security solutions to safeguard organizational networks and data.

- **Risk Identification & Mitigation:** Identified security risks and vulnerabilities, reporting issues to management to mitigate potential threats.
- **Security Training & Awareness:** Conducted employee training and awareness sessions on network security best practices to promote a secure work environment.
- **Threat Response & Monitoring:** Proactively identified and responded to network security threats and vulnerabilities, ensuring the integrity of company systems.