

Satya Pradeep Kodeboina

Columbus, OH (Willing to relocate) | kodeboinapradeep@gmail.com | +1 (857)-869-0932 | [Portfolio](#)

SUMMARY

GIS Technician and Analyst with **7.5 years** of hands-on experience in ArcGIS Pro, ArcGIS Online, and spatial data QA/QC supporting audits, permitting, and integrity-management mapping. Skilled in record maintenance, document control, and data verification for utility operations. Adept at researching historical records, coordinating with internal and external stakeholders, and delivering accurate, compliant maps under tight deadlines. Strong communicator with proficiency in Microsoft Office Suite, CAD familiarity, and topographic map interpretation.

SKILLS & CERTIFICATIONS

GIS & Geospatial Tools: ArcGIS Pro, ArcGIS Desktop/Online, ArcMap, ModelBuilder, Network Analyst, Web AppBuilder, QGIS

Spatial Analysis: LISA cluster/outlier analysis, catchment area analysis, census tract/block geospatial analysis, route/time-distance calculations

Programming & Analytics: Python (ArcPy, Pandas, NumPy), SAS, R, SQL, Excel (advanced)

Visualisation & BI: Tableau (ArcGIS–Tableau integration), Power BI, geospatial dashboards

Data Management: Relational databases, metadata standards, QA/QC checks, SOP development

Soft Skills: Training/mentoring analysts, cross-functional collaboration, STAR-based communication, problem-solving

Certifications: Microsoft Power BI, Tableau Desktop Data Analyst, Amazon Web Services (AWS) for Data Analytics, AutoCAD, and SolidWorks.

WORK EXPERIENCE

GIS Data Analyst | Nationwide | Columbus, OH

Jul 2023 – Nov 2025

- Partnered with healthcare and claims teams to address census tract-level mapping needs for behavioral health capacity. Designed geospatial datasets in **ArcGIS Pro and Online**, ensuring accurate coverage models, enabling data-driven resource allocation and improved access planning.
- Tasked with validating service access, applied **ArcGIS Network Analysis** to calculate optimized **travel times and route distances**. Automated routing scripts in **ArcPy** to minimize manual work, improving validation accuracy by 35% and supporting Managed Care program compliance.
- Collaborated with Engineers to integrate **ArcGIS shapefiles** with **Power BI dashboards**, creating interactive **geospatial visualizations**. Delivered training to stakeholders on interpreting maps, improving transparency, reducing reporting turnaround by 40%.
- Automated batch **geoprocessing** workflows using **ArcPy** and **ModelBuilder** in **ArcGIS Pro** to perform topology validation, schema checks, and spatial data **QA/QC**, reducing manual data correction workload by 40%.
- Published and consumed **ArcGIS REST** services to integrate geospatial datasets with web-based applications; collaborated with API teams to streamline **SOAP interface calls** for automated data ingestion and map service delivery.

Senior GIS Data Analyst – Last Mile Transportation & Analytics | Amazon | India

Dec 2019 – Jul 2021

- Created and maintained spatial databases in **Microsoft SQL Server**; migrated and digitized roadway and zoning data into **ArcGIS Desktop** and **ArcMap** environments, improving data quality and reducing manual editing time by 30%.
- Developed **WebMaps** and **dashboards** using **ArcGIS Web AppBuilder** and Experience Builder to support operational decision-making
- Partnered with **logistics** and **transportation stakeholders** to ensure alignment of **GIS roadway** data with delivery routes, zoning regulations, and disaster-prone geographies; contributed to **GIS-driven risk mitigation** and infrastructure planning.
- Built automated **QA/QC pipelines** for digitized spatial datasets using **ArcPy** and **Python**; enforced topology rules and schema integrity for **GIS layers** in **ArcGIS Desktop** and **Online**, aligned with state compliance standards.
- Queried spatial datasets using **SQL** window functions and performed advanced calculations in **Excel (VBA)** to identify inefficiencies; visualized **KPIs** like fuel efficiency and delivery accuracy in **Power BI**, leading to \$80K in annual cost savings.
- Conducted **root cause analysis** of delivery delays and outlier routes using geospatial joins and clustering techniques in **Python** and **ArcGIS**, supporting operational decision-making and **routing optimization**.

GIS Data Analyst – Last Mile Transportation & Analytics | Amazon | India

Nov 2017 – Nov 2019

- Consolidated and cleaned customer operations and **GIS line data** using **SQL** and **Python**, performed **EDA** to improve completeness of roadway segment datasets, applying validation rules in Informatica and Collibra to support accurate feature layer editing in **ArcGIS**.
- Integrated route alignment checks using **ArcGIS** and **OSM** basemaps, reducing inconsistencies, scan errors and man-hours by 20%.
- Linked 400+ customer-reported, location-tagged issues to delivery routes using AWS to inform GIS-driven customer service zone improvements.
- Performed **Linear Referencing System (LRS)** based mapping of complaint density along delivery lines, which reduced average response time by 15% and informed customer service zoning strategies.

Digital Marketing Analyst | Orange Leaf (NGO) | India

Jul 2016 – Oct 2017

- Collaborated with marketing teams to analyze **email** and **social media campaign** performance, using **SQL** and **SAS** to identify conversion patterns and optimize segmentation strategies, contributing to a 15% boost in engagement and lead generation.
- Utilized social media analytics tools **Hootsuite** and **Buffer** to monitor and report campaign performance, comparing insights like skip rate and completion rate, using strategic marketing to understand suitable length of ads improving engagement rates by 26%.

EDUCATION

Master of Science, Data Analytics

Sep 2021 - May 2023

Northeastern University, Boston, MA, **GPA: 3.8/4**

Master Certificate in Computer Aided Tool Engineering (CAD/CAM)

Jan 2017 - Sep 2017

Central Institute of Tool Design (CITD), Hyderabad, India, **GPA: 8.8/10**

Bachelor of Technology, Mechanical Engineering

Jul 2012 - May 2016

Vignan University, Guntur, India, **GPA: 3.5/4**