AKSHAY SURESH

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Kodaikanal, Tamil Nadu

WORK EXPERIENCE

Data Analyst (IoTDE Analyst(GIS)) **Sept 2024 - Present**

- Data Cleaning → Fixing spelling errors, formatting inconsistencies, and missing values in address fields.
- Standardization → Using formats like USPS, India Post, or ISO address standards to ensure uniformity.
- Parsing Addresses → Breaking an address into components (street name, number, city, postal code) for easier processing.
- Address Matching → Matching addresses with existing GIS layers to verify location.
- Error Checking → Identifying mismatched or inaccurate geocoded points.
- Resolving ambiguous addresses (e.g., missing postal codes or duplicate street names).

EDUCATION

Bachelor of Science in Artificial Intelligence and Machine Learning

Bharathiar University of Arts and Science **Sep 2021 - May 2024**

- Relevant coursework in learning about Artificial Intelligence and Machine Learning.
- Done Several projects on Machine Learning Models and Artificial Intelligence.

Intermediate (12th) - ISC,ICSE Board

Kodaikanal Public School (ISC&ICSE Board), Kodaikanal, Tamil Nadu **April 2020 - May 2021**

TECHNICAL SKILLS

Data Analysis Tools	Python	Jupyter
ML Model Building	R	VS Code
Data Pre-processing	SQL	Google Collab

Internships and Projects

Data Science Trainee **Sept 2023 - Dec 2023**

- At Christ Infotech, Pune, Lavasa, Led a cardiovascular health prediction project using patient demographics, medical histories, and lifestyle data.
- Pre-processed and engineered features from a diverse healthcare dataset to improve model performance.
- Applied Random Forest and Gradient Boosting, achieving 85%–90% accuracy in predicting cardiovascular disease risks.
- Identified key risk factors (age, cholesterol, lifestyle) to support personalized preventive healthcare.
- Delivered actionable insights and recommendations for healthcare professionals.

Telecom Churn Project **Sept 2023 - Oct 2023**

- Engineered a telecom customer dataset with behaviour, service usage, and demographic features for churn analysis.
- Applied Logistic Regression and XGBoost, achieving 80%–85% accuracy in predicting customer churn.
- Identified key churn indicators such as contract type, tenure, and payment method.
- Enhanced skills in feature selection and model optimization for improved predictive performance.
- Translated predictive insights into actionable business decisions, enabling targeted retention strategies.