

Rajashekar Reddy Vedire

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EDUCATION

Indiana University, Indianapolis, IN, United States

Anticipated Dec 2026

Luddy School of Informatics, Computing, and Engineering

Master of Science in Applied Data Science

Relevant Coursework: Statistics, Database Design, Advanced Sports Analytics

Vellore Institute of Technology, Vellore, India

May 2016

Bachelor of Engineering in Automotive Engineering

TECHNICAL SKILLS

Data Analysis: Power BI, Databricks, Azure Data Factory, Tableau

Data Management: SQL, Cosmos DB, Azure Data Lake, Excel, Scope, Microsoft Access,

Languages and Models: Python, R

WORK EXPERIENCE

Cognizant Technology Solutions, Bangalore, India

Aug 2021 – May 2024

Programmer Analyst, Client: Microsoft Research

- Evaluated multiple time series prediction algorithms for anomaly detection, comparing feasibility and performance
- Implemented a modified Holt Winters algorithm with consequent forward testing and back testing in Databricks for performance analysis
- Achieved 45% reduction in false positives at user-level with no compromise in recall

Programmer Analyst, Client: Microsoft Advertising

- Performed data analysis across Microsoft Ads products using internal tools (Agora, Scope, PyScope) and SQL/Python
- Designed and developed business specific Power BI dashboards saving 20-30% time in operational procedures
- Integrated Power BI data pipelines with SQL and python for comprehensive business requirement delivery and automation

Paramtech CAD Services, Indore, India

May 2017 – Mar 2019

Design Engineer, Client: Volvo Eicher Commercial Vehicles Ltd.

- Built a vision-based driver eye tracking POC for passive safety system in heavy-duty trucks
 - Developed auxiliary systems to relay critical exceptions to the ECU and trigger alerts, engaging the onboard anti-lock braking system (ABS) to safely stop the vehicle in failure scenarios.
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DATA SCIENCE PROJECTS

US College Football Analysis 2024 | [Tableau Dashboard](#)

Fall 2025

- Built an interactive Tableau dashboard analysing 2024 college football scene using scraped data from Sports-Reference (Python, BeautifulSoup, pandas)
- Designed and implemented dynamic filters, KPI visuals, and trend charts for intuitive performance analysis
- Showcased end-to-end BI workflow from data acquisition and transformation to visual storytelling and web publishing

Metro Interstate Traffic Analysis | INFO-H 510: Statistics for Data Science | [Quarto Report](#)

Spring 2025

- Created a detailed report on the application of inferential statistical methods to analyse hourly traffic volume data for the Interstate 94 (I-94) in Minneapolis-St. Paul, Minnesota
- Performed Hypothesis testing, correlation analysis, regression modelling and statistical diagnostics on transportation data by evaluating the significance and strength of relationships between traffic volume and key covariates
- Performed Time series anomaly detection to forecast and predict anomalies across traffic patterns