

# Suryakailash Ramesh

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## PROFESSIONAL SUMMARY

Data Scientist & BI Engineer specializing in building scalable data infrastructure and predictive analytics. I design end-to-end pipelines that process terabytes of telemetry data, develop ML models that improve system performance, and create real-time dashboards. Expertise in Python, Azure, and Power BI, with a track record of automating workflows and delivering measurable business impact.

## SKILLS

Data & Analytics • ETL/ELT • Data Validation & Quality • Data Modelling • Applied Statistics • Python • R • SQL • Azure Data Factory • Azure Data Explorer • Azure Functions • Microsoft Fabric • Machine Learning & AI • Machine Learning • Deep Learning • NLP • Scikit-learn • XGBoost • Data Science • Software Engineering • REST APIs • Microservices • Agile • TDD • MVC • Design Patterns • Jira • Visual Studio • Production Support • Linux • Postman

## PROFESSIONAL EXPERIENCE

**AI Developer** | Qjump.AI | Redmond, Washington, United States | -

- Built telemetry-driven analytics infrastructure to track system uptime, latency, and error propagation across distributed services.
- Automated data ingestion and transformation pipelines (Python, SQL, Azure Data Factory), handling structured and semi-structured data at scale.
- Deployed forecasting models (XGBoost) for usage and capacity trends, improving prediction accuracy by 20% and enabling proactive scaling.
- Integrated anomaly-detection scripts for performance metrics, reducing manual debugging time by 45%.
- Designed and deployed real-time Power BI dashboards with automated alerts, enhancing visibility of operational KPIs by 60%.

## EDUCATION

**Master of Science in Data Science (MSDS)** | Seattle University | Seattle, WA | 2025

## PROJECTS

**NASA Space App Challenge** | <https://iopscience.iop.org/article/10.1088/1742-6596/1804/1/012157>

Developed a car that controls with eye-tracking for autonomous driving. The system uses cameras to track user eye movement for navigation and control.

Technologies: Python, Azure, Machine Learning, Computer Vision

## CERTIFICATIONS

Azure Fundamentals | Microsoft | 2024

## PUBLICATIONS

**Intelligent Car** | R. Suryakailash, P. Rathinakumar, S. Atchaya and L Sripriyadharshini | Journal of Physics: Conference Series, Volume 1804 | 2020 |  
<https://iopscience.iop.org/article/10.1088/1742-6596/1804/1/012157>

## AWARDS & HONORS

**Gamified Performer** | Accenture

**Top 10 Icon of ECE** | SRMIST