

# SANJAY SORALAMAVU DEV

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## SUMMARY

Master's student in Computer Science with a strong analytical mindset and a solid foundation in problem-solving. Brings over three years of professional experience in data analytics and process improvement. Highly adaptable, detail-oriented, and committed to applying technical skills to solve real-world challenges.

## EDUCATION

<b>Master's in Computer Science</b>	May 2027
Arizona State University, Tempe, AZ	3.44 GPA
<b>B.E., Computer Science</b>	Aug 2022
Visvesvaraya Technological University, India	3.69 GPA

## TECHNICAL SKILLS

SQL, Python, Data Analysis, Statistical Analysis, Exploratory Data Analysis, Data Cleaning, Data Validation, Data Normalization, Relational Databases, Data Modeling, Trend Analysis, Predictive Analytics, KPI Reporting, Power BI, Tableau, DAX, Power Query, Advanced Excel, ETL Pipelines, Dashboard, Process Optimization, Data Visualization

## WORK EXPERIENCE

**Data Analyst Associate, Hitachi Digital Services (Bengaluru, India)** Aug 2022 – Aug 2025

- Designed and maintained enterprise Power BI dashboards for Quality Excellence Index (QEI) and audit KPIs, enabling leadership to track trends, gaps, and performance improvements, and contributing to a 30 percent gain in process efficiency
- Extracted, cleaned, and analyzed large datasets using Python, SQL, and Excel to evaluate process performance, compliance, and risk indicators
- Leveraged advanced Excel features, including Pivot Tables, Power Query, formulas, and data validation, to perform ad-hoc analysis and support recurring reporting needs
- Conducted trend analysis and regression modeling on Global Internal Quality Audit (GIQA) data to predict potential non-compliance events, reducing errors by 20 percent
- Automated recurring reports and email communications using Power Automate, improving reporting efficiency and scalability across teams
- Translated business and audit requirements into clear technical specifications, dashboards, and monthly leadership reports for stakeholders across regions completeness

**Data Science Intern, Indian Institute of Science (Bengaluru, India)** Jan 2022 – Jul 2022

- Developed a ball tracking application using smartphone cameras with annotated data for machine learning model training. Built interactive dashboards and visualizations using Python, Matplotlib, and Seaborn to summarize movement patterns and performance metrics
- Performed data preprocessing, cleaning, and validation on collected motion datasets to ensure quality and consistency. Conducted exploratory data analysis (EDA) to identify patterns and trends in ball trajectories, enhancing model accuracy.
- Generated insights from quantitative and qualitative data to support decision-making and improve tracking model predictions. Collaborated with peers and supervisors to document methodology, results, and recommendations for further research and implementation.

## PROJECTS

### QEI Observability & Analytics Platform | Python, SQL, React

Built dashboards and backend pipelines to monitor system behavior, validate data correctness, and highlight anomalies using structured telemetry-style data.

### Automation & Integration Services | Python, REST APIs

Designed integration services to process events, validate outputs, and automate operational workflows with clear failure handling and logging.