

ARUNA KUMARI V

Bengaluru, India | 📞 +91-9113954443 | ✉ v.arunakumari63@gmail.com | [in LinkedIn](#) | [GitHub](#) | [Portfolio](#)

DATA SCIENTIST

Data Scientist with 3 years of industry experience at Intel, specializing in data analysis, machine learning, and analytics-driven problem solving. Specialized in anomaly detection, risk identification, and system-level failure analysis. Experienced in enhancing system events detection to strengthen early detection of device health risks. Strong in Python, SQL, data visualization, and statistical modeling, with experience translating data insights into actionable outcomes through cross-functional collaboration.

TECHNICAL SKILLS

Languages & Analytics: Python, SQL

Statistical Methods: Hypothesis Testing, Feature Engineering, Model Validation

Machine Learning: Anomaly Detection, Regression, Classification, Clustering, NLP, Time Series

Deep Learning: CNN, LSTM, RNN-based models

Generative AI: LLM APIs (OpenAI / Gemini), RAG (basic)

Visualization & BI: Power BI, Excel

Tools: Git, Jupyter Notebook, VS Code, Aternity

PROFESSIONAL EXPERIENCE

Intel Corporation – Data Scientist | Bengaluru, India | Sept 2023 – Present

- Drove enhancements to an existing anomaly detection system by identifying detection gaps and expanding feature coverage to include additional system events detection into production pipeline.
- Analyzed device telemetry data to detect abnormal patterns and early warning signals.
- Performed root cause analysis (RCA) to identify contributing factors to device health degradation.
- Collaborated with engineering and operations teams to drive corrective actions.

Intel Corporation – Data Science Intern | Bengaluru, India | Oct 2022 – Jun 2023

- Automated internal setup processes, reducing manual testing effort.
- Co-authored a Federated Learning research paper presented at MLDS Conference.
- Developed an internal chatbot to improve team knowledge sharing.

ISRO (RRSC) – Research Intern | Bengaluru, India | Jul 2019 – Aug 2019

- Conducted computer vision research for automatic coconut tree detection using satellite imagery.
 - Implemented YOLO-based object detection models for feasibility analysis.
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PROJECTS

- **Stock Market Analysis & Forecasting:** Applied ARIMA, LSTM, XGBoost, and regression models on NIFTY-50 data to analyze trends and predict price movements.
 - **Human Fall Detection System:** Designed deep learning models (CNN, LSTM, TCN) using skeleton-based video features and compared model performance.
 - **Business Intelligence Dashboard:** Built Power BI and Tableau dashboards to track KPIs and generate actionable business insights.
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EDUCATION

M.Tech – Computer Science (Machine Learning), PES University | 2021–2023 | CGPA: 9.06

B.E – Engineering, Alva’s Institute of Engineering | 2016–2020 | CGPA: 7.8

CERTIFICATES:

Python Essentials for MLOPS | Statistics for Data Science and Business Analytics | Generative AI