

Rushikesh Muneshwar

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Summary — Data Scientist with strong foundations in machine learning, data analysis, and statistical modeling. Experienced in building end-to-end data pipelines, developing predictive models, and delivering actionable insights through visualization and reporting. Proficient in Python, SQL, and modern ML/DL frameworks with hands-on experience in healthcare analytics, NLP, and computer vision.

Skills

Programming	Python, SQL, C, JavaScript, HTML, CSS	Analysis	
Data Science	Pandas, NumPy, Excel, Statistical Modeling, Tableau	Visualization	Matplotlib, Seaborn, Plotly
ML & AI	Scikit-learn, TensorFlow, PyTorch, NLP (spaCy, NLTK), OpenCV	Databases	PostgreSQL, MySQL
Deep Learning	CNNs, Transfer Learning, Medical Image	Web & APIs	FastAPI, Flask, Streamlit, REST APIs, React.js
		Tools	Git, GitHub, Docker, Jupyter, VS Code, Google Colab

Professional Experience

Centre for Development of Advanced Computing (CDAC)

Mar 2025 – Sep 2025

Intern

Bangalore, India

- Built a full-stack IoT Device Management System using FastAPI, PostgreSQL, React.js, and Docker following complete SDLC workflows.
- Designed and optimized data pipelines for structured and semi-structured data ingestion, transformation, and analysis.
- Oversaw lab operations for 75+ students as Lab Incharge, delivering technical support for Python and Machine Learning coursework.
- Collaborated with engineers and research teams to deliver scalable, production-ready analytical modules aligned with industry best practices.

Projects

Breast Cancer Detection System — Collaboration with Bosch Global Software Technologies

- Analyzed multi-source clinical and imaging datasets (Wisconsin, Coimbra, BCSC) to extract high-impact predictive features.
- Implemented ensemble ML models achieving improved diagnostic accuracy using statistical feature engineering.
- Developed probability-based diagnostic reports supporting data-driven healthcare decision making.
- Tools: Python, Scikit-learn, Pandas, NumPy

Advanced Skin Disease Detection System — Python, TensorFlow

- Designed an end-to-end computer vision pipeline processing 15K+ dermatology images across 10+ disease categories.
- Optimized ETL workflows using TensorFlow Data API enabling parallelized image preprocessing.
- Applied augmentation and class balancing strategies to mitigate dataset imbalance (1.2K–15K samples per class).
- Integrated automated data validation checks, reducing dataset inconsistencies by 35%.
- Tools: Python, TensorFlow, OpenCV

WhatsApp Communication Analytics Tool — NLP, Data Visualization

- Developed automated pipelines to parse and structure WhatsApp chat exports for large-scale analysis.
- Performed sentiment analysis, engagement analysis, and temporal activity mining using NLP techniques.
- Built interactive dashboards using Plotly and Matplotlib for intuitive data exploration and reporting.
- Tools: Python, Pandas, NLP, Plotly

Education

Indian Institute of Information Technology (IIIT) Raichur

2021 – 2025

B.Tech. in Computer Science & Engineering

CGPA: 6.15

Certifications

- AI Project Collaboration Certificate — Bosch Global Software Technologies (2025)
- Data Analytics Job Simulation — Deloitte Australia (2025)
- Technology Consulting Job Simulation — Deloitte Australia (2025)