Monicca
Senior AI Engineer

LINKEDIN
https://www.linkedin.com/in/lakshmmi-monicca-s-a29a9021b/
GITHUB
https://github.com/LakshmmiMonicca

EDUCATION
MCA (2017-2019)
BCA (2014-2017)

SKILLS
- Python (NumPy, Pandas)
- Machine Learning Algorithm
- *Data Visualization*: Excel, Matplotlib, Power BI, Seaborn.
- *AL Algorithm training:* OpenCV, Image Processing, PyTorch, TensorFlow

PROJECT EXPERIENCE (August 2022 - August 2023)

II TM Advanced Professional Programming with Master data Science

➢ Machine Learning Model building (Classification, Regression and Clustering model)

Tech Stack:
Python (Matplotlib, Pandas), Model Building, Machine Learning Algorithm.

CERTIFICATE

IIT M Advance Professional programming with Master data science Program

Certificate Link:
https://www.guvi.in/certificate?id=X1A67P30s3w8Z3465o

WORK EXPERIENCE
Accenture (December 2024– Present)
Senior AI Engineer

Responsibility

☐ Clean and preprocess large datasets to ensure high-quality data for machine learning model training.

☐ Perform exploratory data analysis (EDA) to identify patterns, outliers, and data inconsistencies.

☐ Handle missing data, outlier detection, and normalization processes to improve model performance.

☐ Test and validate data to ensure it meets the requirements for machine learning model input.

☐ Document data preprocessing procedures and maintain data quality standards.

Ford (August 2023 – December 2024)
Senior Software Engineer

Responsibility

☐ Automated the annotation process using advanced AI algorithms, improving efficiency and accuracy in data labelling.

CONTACT

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☐ Implemented machine learning-based annotation techniques for image and video data used in training AI models.

☐ Collaborated with cross-functional teams to understand annotation requirements and refine AI model inputs.

☐ Developed and optimized algorithms for selecting relevant training data to improve machine learning model performance.

☐ Designed and implemented a user-friendly graphical user interface (GUI) for automatic image annotation in image processing tasks.

☐ Ensured the quality and consistency of annotated data by conducting regular reviews and improvements.

☐ Optimized AI algorithms for scalability and real-time processing of large datasets.

☐ Conducted performance tuning on the AI annotation system to reduce latency and increase throughput.

☐ Worked closely with QA teams to ensure the integrity and accuracy of annotated datasets used for model training.

HCL Technologies (April 2022 – August 2023)

Software Engineer

Responsibility

☐ Developed a dynamic, interactive dashboard in Power BI for data visualization and reporting.

☐ Integrated various data sources, including databases and APIs, to provide real-time insights into key metrics.

☐ Collaborated with business analysts to understand requirements and design customized reports and visualizations.

☐ Built automated data transformation processes using Power Query to clean, reshape, and aggregate data.

☐ Enhanced dashboard performance by optimizing DAX queries and implementing efficient data models.

☐ Conducted user training and created documentation to support the use of Power BI dashboards by non-technical users.