

Trivendra Rahi

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EDUCATION

- **IIT Guwahati** Guwahati, Assam
MTECH in Mechanical Engineering 2020-2022
- **Shri G.S. Institute of Science and Technology** Indore, M.P.
BTECH in Mechanical Engineering 2016-2020

SKILLS SUMMARY

- **Languages:** Python, SQL, R
- **Machine Learning:** TensorFlow, Keras, Scikit-learn
- **Data Analysis:** Pandas, NumPy, Matplotlib, Seaborn
- **Tools:** Dataiku, Github, Excel, JMP, Plotly, Spotfire, Matlab, OpenCV
- **Skills:** Machine Learning, Statistical Data Analysis, Artificial Neural Networks, Data Wrangling, Time Series Analysis, Predictive Analytics, Computer Vision, Mechanical Engineering

EXPERIENCE

- **GE Aerospace** Remote
Senior Data Scientist — Fleet Analytics July 2024 – Present
 - **Led end-to-end development:** Led end-to-end development of machine learning models to predict hardware conditions, from problem definition to industrial deployment.
 - **Collaborated with stakeholders:** Collaborated with stakeholders to align analytics with business goals, define success criteria, and identify data requirements.
 - **Conducted data analysis:** Conducted data preprocessing, validation, and exploratory analysis to identify key predictors and ensure data quality.
 - **Designed, trained, and deployed models:** Designed, trained, and deployed robust machine learning models, achieving a 15% increase in success criteria for a key analytics project under my leadership.
- **GE Aerospace** Remote
Edison Engineer — Image Analytics January 2024 – July 2024
 - **Developed and optimized CNN architectures:** Developed and optimized CNN architectures (VGG16, InceptionNet, ResNet, UNet) using TensorFlow for image classification and segmentation.
 - **Delivered a new model training and inference pipeline:** Delivered a new model training and inference pipeline using Keras, improving model development time by 30%.
 - **Utilized OpenCV:** Utilized OpenCV for advanced image processing tasks.
 - **Contributed to robust image analytics models:** Contributed to robust image analytics models for aerospace applications.
- **GE Aerospace** Remote
Edison Engineer — Fleet Analytics August 2022 – December 2023
 - **Developed a full analytics pipeline:** Developed a full analytics pipeline for the Long Haul Analytics team, addressing a new use case from problem definition to model deployment.
 - **Designed and implemented machine learning models:** Designed and implemented machine learning models that reduced maintenance costs by 15%.
 - **Improved physics-based modeling:** Improved physics-based modeling, leading to a significant reduction in maintenance burden for airline customers.
 - **Developed standard method of outlier detection:** Developed standard method of outlier detection and removal and presented in the interval board to set it as standard process for all other analytics.

CERTIFICATIONS AND COURSES

- **Google:** Foundation: Data, Data, Everywhere, Ask Questions to Make Data-Driven Decisions
- **DeepLearning.AI:** Neural Network and Deep Learning, Convolutional Neural Network
- **Udemy:** Python for Data Science and Machine Learning Bootcamp, 100 Days of Code – The Complete Python Pro Bootcamp