

Trivendra Rahi

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EXPERIENCE

- GE Aerospace**
July 2024 – Present

Senior Data Scientist — Fleet Analytics

 - Led end-to-end development:** Developed machine learning models to predict hardware conditions from problem definition to industrial deployment.
 - Collaborated with stakeholders:** Aligned analytics with business goals, defined success criteria, and identified data requirements.
 - Conducted data preprocessing:** Performed data preprocessing, validation, and exploratory analysis to identify key predictors and ensure data quality.
 - Designed, trained, and deployed:** Achieved a 15% increase in success criteria for a key analytics project.
- GE Aerospace**
January 2024 – July 2024

Edison Engineer — Image Analytics

 - Developed and optimized CNN architectures:** Utilized TensorFlow for image classification and segmentation (VGG16, InceptionNet, ResNet, UNet).
 - Delivered new model training pipeline:** Improved model development time by 30% using Keras.
 - Utilized OpenCV:** Performed advanced image processing tasks.
 - Contributed to robust image analytics models:** Developed models for aerospace applications.
- GE Aerospace**
August 2022 – December 2023

Edison Engineer — Fleet Analytics

 - Developed analytics pipeline:** Addressed a new use case from problem definition to model deployment for the Long Haul Analytics team.
 - Implemented machine learning models:** Reduced maintenance costs by 15%.
 - Collaborated with cross-functional teams:** Ensured successful deployment and adoption of the solution.
 - Improved physics-based modeling:** Significantly reduced the maintenance burden for airline customers.
 - Developed outlier detection method:** Established a standard process for all other analytics.

EDUCATION

- IIT Guwahati**
2020-2022

MTech in Mechanical Engineering
- Shri G.S. Institute of Science and Technology**
2016-2020

BTech in Mechanical Engineering

SKILLS

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

CERTIFICATIONS 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

ACTIVITIES INTERESTS

- Interests:** Chess, Video games, Table tennis, Travelling, Documentaries