

KISHAN RASIKBHAI AKBARI



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OBJECTIVE

An engineer with a demonstrated history of working in the IT/Aerospace industry. In my professional career I have worked with some of the top engineering firms. Currently, I am exploring the field of Artificial Intelligent (AI) and Machine Learning (ML) and looking forward to implement it to solve the business challenges.

SKILL HIGHLIGHTS

Exploratory Data Analysis (EDA) and Machine Learning (ML)

- Developed the combustor tiles casting defects data ML pipeline while at Rolls-Royce India Pvt Ltd. Worked on defects data exploration (EDA) and developed go/no-go classifier, which helped business reduce overheads and improve producibility.
- Worked on the development of pipes system damping prediction models using statistical techniques.

Deep Learning (DL) and Process Automation

- Developed metal surface defects image classification models using DL Convolution Neural Network (CNN) techniques at Rolls-Royce India Pvt Ltd.
- Worked on the frameworks for engineering process automation using ISIGHT-DOE.

TOOLS AND TECHNIQUES

Programming: Python, SQL, MATLAB

Data Analysis Tools/Libraries: MS Excel, Tableau, Scikit-learn, TensorFlow, Keras, OpenCV, NLTK

Documentation: MS Office, LATEX

EDUCATION

Master's Degree in Mechanical Engineering

Indian Institute of Technology Madras, Chennai
2015 - 2017

Bachelor's Degree in Mechanical Engineering

Faculty of Technology and Engineering, Maharaja Sayajirao
University of Baroda, Vadodara
2011 - 2015

EXPERIENCE HISTORY

Engineering Lead,

Infosys Ltd, Bangalore
Jan/2021 - Present

Advanced Stress Engineer

Rolls-Royce India Pvt Ltd, Bangalore
Jul/2017 – Dec/2020

COURSES AND CERTIFICATIONS

- Engineering Mathematics
- Advanced Optimization Methods
- Data Manipulation with Python (DataCamp)
- Probability and Statistics
- Importing & Cleaning Data with Python (DataCamp)
- Data Visualization with Python (DataCamp)

K I S H A N R A S I K B H A I A K B A R I



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PROJECTS

Data Science Repository

- Developed a GitHub repository which includes various kind of data science problems solved using different statistical and ML techniques. This repository is a personal project for education purpose. ([Link](#))

Quantitative Non-Destructive Testing of Metal Thermal Barrier Coating

- This project covers implementation of numerical techniques and infrared thermography for structural health monitoring of thermal barrier coatings used in aerospace applications.
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AWARDS AND HONOURS

Analytics Vidhya JOB-A-THON - 2021

- Secured 183rd rank out of 8k plus participants in Analytics Vidhya JOB-A-THON conducted in May 2021. The problem statement and leaderboard can be found [here](#).

Rolls-Royce Silver Award - 2019

- Received prestigious Rolls-Royce Silver Award for aero engine compressor blades lifing work and automation.

University Gold Medal - 2015

- Awarded Gold Medal for excellent achievement in the Design of Machine Element course from M.S. University.

ABB JDF Scholarship - 2012

- Awarded ABB JDF scholarship for exceptional academic as well as extra-curricular record.