

# SAI TEJA PANDURI

## DATA SCIENTIST

Meticulous Data Scientist with 5+ years of experience driving business success. Proven ability to gather and analyze requirements and translate needs to project teams. Dedicated to continuing professional growth through training.

### PROFESSIONAL EXPERIENCE

(01/2022 - 08/2023)

#### Infosys

Associate Consultant (01/2022 - 03/2023)

Senior Associate Consultant(04/2023 - 08/2023)

#### PROJECT: CN

#### Detection and classification of train car parts using Convolutional Neural Networks (Computer Vision)

Improved the efficiency of train car maintenance and enhanced safety through automated inspection. Reduced inspection time and cost.

- Collaborate with data engineers and data labeling team to collect, pre-process, and curate datasets suitable for training generative models. Ensure data quality, integrity, and privacy considerations are addressed.
- Composed pipeline flows for data generation using pipeline composer tools.
- Created Image detection and classification models achieving more than 95% precision and recall.
- Perform detailed model analysis to evaluate the performance, robustness. Pattern recognition and fine tune model.
- Documentation and Reporting: Prepare technical documentation, including model architecture, implementation details, and experimental results.

(03/2019 - 12/2021)

#### Tech Mahindra

Associate Analyst

#### PROJECT: Microsoft Bing Travel Destinations

- Classification of watermarked and non-watermarked images using Convolutional neural networks model (CNN).
- Designed an Artificial neural network from scratch to predict whether a given sentence is a travel tip using Natural Language Processing (NLP).
- Design, develop, and implement novel generative models and machine learning algorithms that solve complex problems. This includes architectural design, data pre-processing, training, optimization, and evaluation of models.

(06/2018 - 12/2018)

#### GR Accuron

Quality Engineer

- Maintain Quality sheets. Manage data with the help of MS Excel. Process Optimization.

### EDUCATION BACKGROUND



#### GRADUATION

Amrita University

B.TECH, DEGREE IN MECHANICAL ENGINEERING  
CLASS OF 2014 TO 2018

#### INTERMEDIATE

Sri Chaitanya Junior College

MPC  
CLASS OF 2012 to 2014

#### SECONDARY EDUCATION

Chaitanya Public School

2012 PASSED OUT

### TECHNICAL SKILLS

- Python(Numpy, Pandas, Scikit-learn,Keras)
- Machine Learning & Deep Learning Algorithms
- Pattern Recognition
- Data Visualization
- Data Preprocessing
- SQL
- Power BI

### GENERAL SKILLS

- Communication
- Problem Solving
- Critical Thinking

### ACCOMPLISHMENTS

- Promoted within 10 months for outstanding performance on project.
- Research Publication: Prediction of surface roughness and material removal rate in laser assisted turning using fuzzy logic and ANN.  
<https://www.sciencedirect.com/science/article/abs/pii/S2214785318315372>

### CONTACT

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