

A strategic thinker & a dynamic professional with proven capabilities in **Data Analysis, Data Visualization, Deep Learning, & Machine Learning** targeting challenging assignments in an organization of high repute

Summary

- **A competent professional with expertise** in Data Analysis, Data Visualization, Deep Learning, Machine Learning, Oracle/MySQL, Database Management System, Probability & Statistics
- **Headstrong organizer, motivator and a decisive leader** with successful track record of directing major operations from conception to implementation, excellent **communicator & story teller**
- Outstanding success in delivering the projects like **Predicting Material Back Order in Inventory Management using Machine Learning; MGNREGS-AP; Image Signature Verification**
- Expert in **building API to Expose Machine Learning Model using FLASK**
- Well-versed with the concepts of **Supervised & Unsupervised Learning, Deep Learning, Text Pre Process, Computer Vision, and Basics of NLP**
- Proficient in tools like **Pyspyder, Jupyter Notebook, Pycharm, and Programming Languages like Python, C, HTML, DBMS, C#**
- Hands-on experience in using Operating system – Windows7/10 and Linux

Education & Credentials

- **Data Science Certification** from Digital Nest
- **Advanced NLP** from Analytical Vidya (Ongoing)
- **B.Tech – Computer Science** from Haldia Institute of Technology in 2018

Career Timeline

Tata Consultancy Services (TCS)

Dec'18 to Present

Core Competencies

Data Analysis

Data Visualization

Machine Learning

DeepLearning

Oracle/MySQL

Probability and Statistics

Database Management System

NLP

Soft Skills

Communicator

Innovator

Collaborator

Analytical / Thinker

Intuitive

Projects

Title: Image Signature Verification

Description: To detect handwritten signatures on the document & verifying the same with the reference signature images

Individual Contribution:

- Engaged in requirement gathering & architect design of the project for Object Detection
- Responsible for Model training for Signature Detection & Account Number

Tools Used: Object Detection YOLOv4, Siamese Networks, OCR, Python

Title: Predicting Material Back Order in Inventory Management using Machine Learning

Description: To predict which product is going in Backorder

Individual Contribution:

- Involved in gathering requirements & data collection
- Assigned for Exploratory Data Analysis (EDA)
- Responsible Model Training & Model Building using different algorithms with Hyperparameter techniques

Tools Used: scikit-learn, matplotlib, Numpy, pandas, seaborn

Title: MGNREGS-AP

Description: To enhance livelihood security in rural areas by providing at least 100 days of wage employment in a financial year to every household whose adult members volunteer to do unskilled manual work

Individual Contribution:

- (.Net Developer) involved in requirement analysis & application maintenance & development
- Toiled on modules implementing business logic in C#
- Engaged in analyzing complexities of the package & estimating the number of hours required for development
- Responsible for analyzing & resolving issues related to data
- Interacted with Oracle PL SQL Database

Tools Used: Asp.Net, C#, Oracle PL SQL Developer, API Services, jQuery, JavaScript, Visual Studio 2008



Professional Experience

Dec'18 - Present: Tata Consultancy Services (TCS)

Key Results Area:

- In charge for interacting with the clients & gather information, design sites, and outline schedules
- Assigned to manage web project with 2-5 Developers
- Expert in developing concepts, controlling project flow, and ensuring deliverable milestones are met



Technical Skills

- **Programming Languages:** Python, C, HTML, DBMS
- **Operating Systems:** Windows 7/10, Linux
- **Technology:** Data Analysis with Python; Data Visualization with Python; Machine Learning with Python; Supervised & Unsupervised Learning ; Deep Learning with tensorflow and keras; Image Classifications techniques like VGG, Inception, RESNET50, Densenet; Object Detection techniques like Faster RCNN, YOLO; Knowledge in Probability and Statistics; RNN, LSTM
- **Tools:** Pyspyder, Jupyter Notebook, Pycharm



Personal Details

Date of Birth: 04th March 1996

Languages Known: English and Hindi

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