

SHASHANKA RAJ SRIVASTAVA

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<https://github.com/itssrs>

PROFILE SUMMARY

- Pursuing MS (by Research) in **Machine Learning Algorithm** from **NIT-Trichy**.
- Worked in Agile Development process for diverse requirements and follow Data Science/MLOps culture.
- Excellent communication, organizational and interpersonal skills.
- Ability to analyse and categorize the business requirements and to transform them into appropriate stories and tasks.
- Excel in creative problem solving.
- Excel in Statistics to get valuable insight from data.

KEY SKILLS

- | | |
|-------------------------------------|--|
| • Language | Python, C++ |
| • Library | NumPy, Pandas, Scikit, Scipy |
| • Data Visualisation | Matplotlib, Pyplot, Seaborn |
| • IDE | Anaconda, Jupyter Notebook, Jupyter Lab, VS Code |
| • Machine Learning Algorithm | Supervised and Unsupervised Algorithm, Deep Learning, Natural Language Processing |
| • Databases | SQL, PL/SQL |
| • Framework | TensorFlow, Keras, Spacy |
| • Cloud Computing | Google Cloud Platform, Kubeflow, Kubernetes, Google Kubernetes Engine, MS Azure, Terraform |

PROJECTS

- Credit Card Lead Prediction.
<https://github.com/itssrs/Credit-Card-Lead-Prediction>
- Similar Image Classification using Convolution Auto Encoders
https://github.com/itssrs/Similar_Image_CNN
- Stock Prediction Model.
<https://github.com/itssrs/Stock-Prediction-Model.git>
- COVID19 Tweet Sentiment Classification
https://github.com/itssrs/COVID19_tweet_sentiment_classification

WORK EXPERIENCE

4.6 Years in **Tata Consultancy Services**, (Joined as a Trainee in March 2017).

I have worked closely with our clients to understand their business objective and transform their requirement to modern technology so they can react faster, reduce costs, and serve their customer better.

- **Hi-Tech Business Solution**

Responsibilities:

- Responsible for performing experiment on data to get valuable insight.
- Responsible for quickly develop predictive model for POC.
- Responsible for developing robust Machine Learning and Deep Learning Model.
- Responsible for designing MLOps pipeline, For Continuous training of model and Continuous Deployment with different Deployment strategy.
- Design MLOps pipeline using Kubeflow on GCP platform and deploy Model on GKE as a container.
- Design MLOps pipeline using MLFlow on MS Azure and deploy Model using Azure Machine Learning Studio.
- Design Infrastructure (IaC) pipeline using Terraform.

Project Work:

- Perform experiment like hypothesis testing and others to get valuable insight from the data.
- Develop Natural Language Query model for web-based application using Word Embedding and LSTM with Keras Framework.
- Designed pipeline for Continuous training and Deployment of model using different GCP services like Cloud Function, Google Cloud Storage, Kubeflow, GKE, Cloud Build, Google Container Registry, AI Platform.
- Deploy model on different platforms of GCP like App Engine, Cloud Run and GKE.
- Develop custom NER model using Spacy to Summarise from the document.
- Designed Infrastructure (IaC) pipeline to provision resources on GCP and MS Azure.
- Integrated different security tools like SonarQube, Veracode, Nexus for scanning the vulnerability in code and docker images.

ACHIEVEMENTS

- Rewarded “On the Spot” award for the resolving issue in quick time.
- Rewarded “Best Team” Award from the Client for outstanding performance in project delivery.
- Rewarded from Client for outstanding performance in MBNA Integration.
- Rewarded “Special Achievement” award for delivering Kubeflow pipeline solution for ML model.
- Accepted into the Machine Learning Scholarship Program Sponsored by Microsoft.

CERTIFICATIONS

- Problem Solving Certificate from Hacker Rank
- Gold Badge in Python from Hacker Rank
- Complete Python from Udemy
- Python for Data Science and Machine Learning from Udemy
- Certified from deeplearning.ai in Neural Networks and Deep Learning.
- Certified from deeplearning.ai in Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization

- Certified from Linux Academy in GCP Cloud Developer.
- Certified in HarshiCorp Terraform (IaC)

ACADEMIC QUALIFICATIONS

Name of Degree	Specialisation	University/Board	Year	Percentage
MS (By Research)	Machine Learning Algorithm	NIT-Trichy	2020-2022	86
BE	CSE	RGTU University	2012-2016	73.8
Class XII	Science	State Board	2010-2012	68
Class X	Science	CBSE Board	2008-2009	78