



# Srinu Buchi

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## PROFESSIONAL SUMMARY

Looking for a challenging and Responsible position in the field of Data Scientist and have the flexibility to adapt to any new environment and work on any project wish to utilize this experience in an organization as part of them.

## EXPERIENCE SUMMARY

- ✓ 5.4 years of overall experience in the IT industry on multiple domains
- ✓ Working as a Data Scientist-Development.
- ✓ Experience in architecting Artificial Intelligence applications with Machine Learning, Deep Learning with Python. Deep Learning Techniques includes ANN, CNN, RNN, Advanced CNN and Advanced RNN with LSTM.
- ✓ Have good hands-on experience with frameworks like Tensor Flow.
- ✓ Extensive knowledge in NLP and concepts.
- ✓ Extensive knowledge Linear Regression, Logistic Regression, Decision Tree, Random Forest, Naive Bayes, SVM, KNN, Boosting algorithms, Kmeans, DBSCAN Clustering Algorithms.
- ✓ Extensive knowledge Skilled in libraries such as Keras, Tensorflow, Sklearn, Numpy, Matplotlib.
- ✓ Extensive knowledge Skilled in libraries such as Pandas.
- ✓ Have good hands-on experience with GCP (VERTEX AI), AZURE ML, AWS SAGE MAKER.
- ✓ Have good hands-on experience with AI/ML Governance like Fairlearn, Datadrift Monitoring and Data interpretation.
- ✓ Involved in various client demos, knowledge Transfer sessions and presentations
- ✓ Team player with good communication and interpersonal skills
- ✓ Excellent problem solving and analytical skills.
- ✓ Knowledge of working tools like Docker, Kubernetes, Jenkins.

## KEYSKILLS

- |                     |   |                                           |
|---------------------|---|-------------------------------------------|
| ● Languages         | : | Python(v2.x,v3.x), C, SQL                 |
| ● Libraries         | : | Pandas, Numpy, OpenCV (v3.x), NLTK (v2.7) |
| ● Frameworks        | : | TensorFlow (v1.12-stable), Flask (v1.0.2) |
| ● Tools             | : | LabelMe, GIMP, Excel.                     |
| ● Operating Systems | : | Windows, Ubuntu (v14, v16)                |
| ● Cloud             | : | AWS, Azure and GCP                        |
| ● Technologies      | : | Machine learning, Deep learning, NLP      |



## ORGANIZATIONAL EXPERIENCE

### PROJECT 1:

**Domain** : Automobile

**Role** : Data Scientist, computer vision

**Technologies:** Tensorflow,Pytorch,centernet,hybridnet,unet,Yolo,resnet50,computer vision

**Duration** : June 2023 to Present

#### **Responsibilities:**

- Using these pretrained models we can detect the objects, pose estimation, traffic sign classification and semantic segmentation.
- Train the models and check the inference code for that.
- We can convert those models into onnx or caffe model conversion.
- We can deploy the model.
- Using YOLO model, we can detect object and pose estimation.
- Using unet we can do the sematic segmentation.
- Understanding Client business requirements and implementing data driven business decision frameworks.
- Performed data cleaning, Visualization and data preparation for further analysis of Data.
- Preparing low level design and class diagrams for the required feature implementation.
- Code walkthroughs, Debugging and Error fixing.
- Worked closely with clients to successfully roll out various functional and technical enhancements with minimal downtime.

### PROJECT 2:

**Domain** : Manufacturing

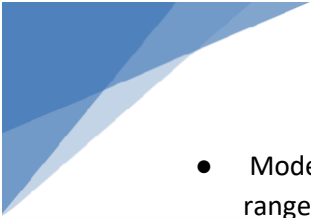
**Role** : Data Scientist

**Technologies** : Feature Engineering, Multi-variate Regression, EDA

**Duration** : May 2022 to May 2023

#### **Responsibilities:**

- Developed a prediction model for Gas Turbine Engine to predict a catastrophic failure using a time-series data.

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- Model was built using multivariate regression and feature engineering as the number of feature ranges more than 200
  - Worked closely with client to successfully roll out various functional and technical enhancements with minimal downtime.
  - Analysis of existing application for better understanding of requirements.
  - Preparing low level design and class diagrams for the required feature implementation.
  - Code walkthroughs, Debugging and Error fixing.
  - Understanding Client business requirements and implementing data driven business decision frameworks.

### **PROJECT 3:**

**Domain** : Medical

**Role** : Data Scientist

**Technologies:** NLTK, SPACY, NLP, NER

**Duration** : Jan 2019 to April 2022

#### **Responsibilities:**

- Data preparation and selecting appropriate annotated datasets for Unsupervised Learning methods.
- Use effective text representations to transform natural language into useful features.
- Find and implement the right algorithms and tools for NLP tasks.
- Developed NLP systems according to requirements.
- Understanding Client business requirements and implementing data driven business decision frameworks.
- Performed data cleaning, Visualization and data preparation for further analysis of Data.
- Performed Exploratory Data Analysis on data.
- Analysis of existing application for better understanding of requirements.
- Preparing low level design and class diagrams for the required feature implementation.
- Code walkthroughs, Debugging and Error fixing.
- Worked closely with clients to successfully roll out various functional and technical enhancements with minimal downtime.



#### EMPLOYEMENT DETAILS

- Worked in Data Scientist, Sony India (June- 2023 to Present)
- Worked in Data Scientist, Wipro (May- 2022 to May 2023)
- Worked Data Scientist, Esoft Technologies (January 2019 to April 2022)

#### ACADEMIC QUALIFICATION

- Completed B.Tech in Information Technology from JNTU University

#### DECLARATION

I do hereby declare that the above furnished information is true to the best of my knowledge

**Srinu Buchi**

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