

# Nikhil Gunti

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## Professional Summary

Business acumen with 3+ years of experience in product development domain having hands-on SQL, Python, R, and other technologies. Strong working knowledge on performing statistical data analysis by developing Tableau dashboards & running machine learning models.

## Education

### Oklahoma State University, Stillwater, OK

CGPA: 3.91

MASTERS IN BUSINESS ANALYTICS & DATA SCIENCE

Aug. 2019 - May. 2021

### JNTUH College of Engineering, Hyderabad, India

CGPA: 3.5

B.TECH IN ELECTRONICS AND COMMUNICATION ENGINEERING

Aug. 2013 - May. 2017

## Technical Skills & Certifications

- **Programming Languages:** C/C++, SAS, SQL, R, Python, Matlab, Verilog, **Frameworks:** Tensorflow, Keras, PyTorch
- **Tools:** Alteryx, R Studio, Tableau, JMP, Power BI, Postgre SQL, Visual Studio, AWS, MS Azure, PySpark
- **Certifications:** Computer Vision NanoDegree - Udacity, NLP & Deep Learning Specializations - DeepLearning.ai, SAS Programmer
- **Scholarships:** National Science Foundation(NSF) I-Corps CIE Scholar 2020

## Work Experience

### Concat Systems

Dallas, TX

DATA SCIENCE INTERN

May. 2020 - Present

- Working on Cars metadata fine-grained recognition along with Blur detection & Image enhancement techniques
- Implemented various object detection algorithms and tried DeepSORT algorithm to detect/track 20 custom objects in a video
- Developed production-level code using OpenCV CSRT/MOSSE to track a custom scratch/dent on cars 360° rotation videos

### Computer Vision & Understanding Lab - CS Dept, OSU

Stillwater, OK

GRADUATE RESEARCH ASSISTANT

May. 2020 - Present

- Associated with Professor Dr. Sathyanarayanan Aakur on Computer Vision research - Understanding visual world beyond recognition or captions without human supervision by developing self-supervised predictive learning for video event segmentation
- Working on paper *Learning Temporal Compositional Representation of Videos* for ICCV 2021

### Wipro Limited

Hyderabad, India

PRODUCT ENGINEER

Aug. 2017 - Jul. 2019

- **Data Analytics** - Ran Naive Bayes & logistic regression models for multi-class text classification based on case description. Also, analyzed the factors behind lease cases and tried to predict the number of lease issues for next quarter.
- **Consulting** - Assisted clients with both functional & technical issues of the product TRIRIGA, specifically lease accounting of product
- **Case Resolution** - Debugged platform & application issues of product and resolved 234 client cases in a year(2nd in team of 19)
- Led a team of 3 experienced professionals and developed 8.5 hours of training content from the scratch solitary

## Publications

- Accepted paper "Benchmark and Evaluation of Low Resource Object Detection in Biomedical Images" at **AIPR 2020**
- Under review "Knowledge Guided Learning: Moving towards Open Domain Egocentric Action Recognition with Zero Supervision"-**PRL**

## Academic Projects

### Fault Diagnosis in steel plates using Machine Learning

OSU

DATA ANALYST

Feb. 2020 - Apr. 2020

- Executed feature selection using PCA to identify variables involving pattern recognition and fault classification in steel plates
- Evaluated classification performance on SVM, Neural Networks, Random Forest, SGDClassifier and derived important variables in determining faults beforehand, thereby optimizing product testing cost & enhancing production quality

### MetroTech Center Retention

OSU

DATA ANALYST

Aug. 2019 - Nov. 2019

- Identified a list of factors contributing to overall student satisfaction(pattern) by analyzing 5 yrs of student survey responses
- Interesting correlations between the variables influencing retention rate were drawn for further analysis
- Built various ML models & interactive dashboards to analyze the drop-out pattern and provided strong recommendations

### Customer Feedback Analysis of Apple Products

OSU

DATA ANALYST

Sept. 2019 - Nov. 2019

- Scraped data from Twitter & other social media websites and performed web content mining to analyze user's feedback on recently launched Apple iPhones. Used libraries like NLTK, Gensim to perform sentiment analysis & named entity of customer reviews

## Leadership & Management Roles

- **President:** My role as President for Business Analytics Student Association(BASA) includes organizing technical workshops by industry leaders, meetups/fun-activities, ensuring cultural diversity, assisting BASA members for internship/job opportunities
- **Community Development Volunteer:** Worked with 'YouthForSeva' to stabilize the financial status of impoverished kids in public schools by enabling them to bag scholarships and conducted career empowerment sessions & weekend classes on maths and science