# Vishnu Bharadwaj Suresh

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## PUBLICATIONS

**Statistical Analysis of Literacy Rates using Indian Census Data,** *Springer Series, Lecture Notes in Networks and Systems*
Presented at International Conference on Technology Innovation and Data Sciences 2019, Malaysia

## CERTIFICATIONS

**Statistics with R Specialization,**
*Duke University*
Courses:
- Introduction to Probability and Data
- Inferential Statistics
- Linear Regression and Modeling
- Bayesian Statistics

**Tensorflow in Practice Specialization,**
*deeplearning.ai*
Courses:
- Introduction to Tensorflow
- Convolutional Neural Networks
- Natural Language Processing
- Sequences, Time Series and Prediction

## TECHNICAL SKILLS

Python • R Programming • Tensorflow • C

C++ • SQL • PostgreSQL • Linux

PyTorch • Java • Apache Spark • Git

Selenium • Flask

## PROFESSIONAL EXPERIENCE

**Radiare Software Solutions,** *Data Science Intern*
11/2018 – 12/2018
- Deployed Customer Churn Prediction models specific to the Telecommunication sector.
- Developed architectural prototypes for a video analytics framework based on Deep Learning

**Rise Labs, IIT Madras,** *Machine Learning Intern*
05/2018 – 07/2018
- Built and managed Big Data models related to the financial sector, using Spark, PostgreSQL and R.

## EDUCATION

**Sathyabama Institute of Science and Technology,**
*B.E Computer Science and Engineering*
2016 – 2020
- Current CGPA of 8.92/10
- Relevant coursework includes Machine Learning, R Programming, Cloud Computing Data Structures, Design and Analysis of Algorithms, Probability and Statistics

## PROJECTS

**Bayesian Movie Rating Predictor**
- Using data from Rotten Tomatoes, a predictive model based on Bayesian statistical methodologies was built using R Programming, and gave high accuracy levels.

**Pneumonia Detection**
- Using Chest X-Ray Imaging, a predictive model using Tensorflow and Keras was built using transfer learning on the ResNet50 architecture, and provided >80% accuracy on minimal training.

**Bird Sound Classifier**
- Deep Learning classifier using fast.ai (PyTorch-based), which converts the bird sounds into spectrograms and classifies them with ~80% accuracy on minimal data sizes and training.