# Anurag Rallabandi

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## EDUCATION

### UNIVERSITY OF FLORIDA
MS in Computer Science
Aug 2019 - present | Gainesville, FL

### SRM UNIVERSITY
BTech in Software Engineering
May 2019 | Chennai, India
College of Computer Science
First Class with Distinction
GPA: 3.8 / 4.0

### HYDERABAD PUBLIC SCHOOL
Grad. May 2013| Hyderabad, India

## LINKS

Github:// **anuragralla**
LinkedIn:// **anuragrallabandi**

## COURSEWORK

### GRADUATE
Machine Learning
Data Structures
Distributed Operating Systems
Analysis of Algorithms
Pattern Recognition
Computer Vision
Computer Networks
Deep Learning for Computer Graphics

### UNDERGRADUATE
Neurofuzzy and Genetic Programming
Data Science and Big Data Analytics
Machine Learning
*(Student Helper w/ assignments)*
Object Oriented Analysis and Design
Data Structures
*(Research Asst)*
Agile Methodologies

## PROGRAMMING SKILLS

### PROGRAMMING LANGUAGES
Java • C • Python • C++
• Matlab • Kotlin
### ML FRAMEWORKS:
Keras • PyTorch • MxNet • sklearn •
Theano •Tensorflow
### TOOLS AND ARCHITECTURE:
Android Studio • Hive • Neo4j • Hadoop
•MySQL • Docker • Kubernetes • LATEX

## EXPERIENCE

### RELIANCE JIO AI/ML CENTRE OF EXCELLENCE
Machine Learning Intern
Jan 2019 - May 2019 | Hyderabad, India
- Helped build a dashboard for farmers that included Pesticide Classification, Weather Prediction and Soil Segmentation for better crop planning.
- Created mongo dumps that were ingested to be a part of a Neo4j knowledge base and developed an Android App to act as a front end to a Pesticide Classification Model.
- Optimized the pesticide classification CNN and reduced testing loss by 4%. This was also scaled to work for retail products.
- Contributed to building a spoof detection model for a facial recognition based Attendance System using MTCNNs and a Perspective n-Point Solver.
- Conducted research on Bundle Adjustment, SLAM and scene reconstruction in general.

### CARBALT TECH LABS | Data Science Intern
Jun 2017 – Aug 2017 | Hyderabad, India
- Worked on a smart and efficient energy monitoring product to help clients manage electricity consumption.
- Tasked with finding alternate data points to reduce the amount of data used for transferring high resolution times series electrical data. Used Piecewise Linearization and Fast Fourier Transforms to extract and reconstruct parameters reducing costs 2x.

### TEDXSRMKATTANKULATHUR | Web Developer
Dec 2016 – Apr 2017 | Chennai, India
- Developed and managed a website for the TEDx event at SRMIST.

## RESEARCH

### SRM UNIVERSITY | Student Researcher
Jan 2018 – Jul 2018 | Chennai, India
Worked with **Dr. Ferni Ukrit** to undertake research on Stock Market Predictions. After carefully analyzing Time Series data we chose LSTMs to be a good fit for such prediction tasks and analysed its performance.

### SOFTWARE ENGINEERING ASSOCIATION | Head Researcher
Computer Vision
Jun 2017 – May 2018 | Chennai, India
Teamed up with the Software Engineering Department and conducted various workshops and Computer Vision based primer classes for undergraduate students to reinvigorate research interests.
Mentored a couple of Freshman and Sophomore students and helped them out with identifying areas of research interest.

## AWARDS

2018    Best Paper Award at NCBCS '18
2019    Best Project Award, Software Engineering Batch of '19

## PUBLICATIONS

[1] M. Ferni Ukrit and Rallabandi Anurag. Stock market prediction using long short-term memory. *Artificial Intelligence and Evolutionary Computations in Engineering Systems, pp.205-212*, in book.