

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.

TEDXSARMKATTANKULATHUR | 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.