Anurag Rallabandi

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EDUCATION

UNIVERSITY OF FLORIDA
MS in Computer Science
Aug 2019 - May 2021 | Gainesville, FL

SRM UNIVERSITY
BTech in Software Engineering
May 2019 | Chennai, India
College of Computer Science
First Class with Distinction

LINKS

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

COURSEWORK

GRADUATE
Machine Learning
Data Structures
Distributed Operating Systems
Analysis of Algorithms
Pattern Recognition
Computer Networks
Applied Machine Learning
Deep Learning for CG

UNDERGRADUATE
Neurofuzzy and Genetic Programming
Data Science and Big Data Analytics
Machine Learning
(Research Asst)
Object Oriented Analysis and Design
Data Structures
Agile Methodologies
Software Verification and Validation

PROGRAMMING SKILLS

PROGRAMMING LANGUAGES
Java • C • Python • C++
• Matlab • Kotlin • R

ML FRAMEWORKS:
Keras • PyTorch • MxNet • sklearn •
Theano •Tensorflow • Rattle

TOOLS AND ARCHITECTURE:
Android Studio • Hive • Neo4j • Hadoop
•MySQL • Docker • Kubernetes • LaTeX •
MongoDB

RESEARCH AND WORK EXPERIENCE

UNIVERSITY OF FLORIDA | Graduate Research Assistant
Aug 2021 - present | Gainesville, FL
Working with **Dr. Steven Shugan** and **Dr. Amin Hosseininasab** to develop new techniques related to mitigating bias in Machine Learning Models.

UNIVERSITY OF NORTH TEXAS | Research Intern
Jan 2021 - May 2021 | Remote
Worked with **Dr. Mark Albert** to develop a fall catcher model to embed to an airbag belt.

UNIVERSITY OF FLORIDA | Individual Study
Aug 2020 – Dec 2020 | Gainesville, FL
Worked under the guidance of **Dr. Sanjay Ranka** to work on a project that improves point cloud and mesh formation for seamless 3D Scene Reconstruction.

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.
- 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.
- 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.

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.

CARBALT TECH LABS | Data Science Intern
Jun 2017 – Aug 2017 | Hyderabad, India
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 for a smart and efficient energy monitoring product.

AWARDS

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

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.