

Amartejas Manjunath

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Arlington, TX 76013

EDUCATION

Master of Science in Computer Science University of Texas, Arlington (3.86/4.0)	[Aug 2019 - May 2021]
Bachelor of Engineering in Computer Science Visvesvaraya Technological University, India	[Aug 2014 - May 2018]

TECHNICAL SKILLS AND COURSEWORK

Skills: Solid understanding of Data Structures and Algorithms, Computer Vision, Backend development, Data Analysis, and visualization, building predictive Machine learning models, object-oriented design, Map-reduce HDFS, Big Data and Data cleaning.

Languages: Python, JavaScript, Java, C, C++, HTML, CSS

Tools: Pytorch, TensorFlow, worked on Linux, Tesseract, OpenCV

Databases: My SQL, MongoDB

Soft skills: Team player, Curiosity, Efficiency, Attention To Detail.

Coursework: Artificial Intelligence, Advanced database System, Cloud Computing, Data mining, Distributed System, Design and Analysis of Algorithms, Database Systems, Software Engineering, Machine Learning, Data Science, Software Design Patterns

WORK EXPERIENCE

Graduate Research Assistant – RAID Lab UT Arlington	[Aug 2020 - May 2021]
<ul style="list-style-type: none">Backend web developer for the RAID lab, revamped the website and increased the engagement rate by 150%Use technologies such as Node JS, JavaScript, and MongoDB	
Machine Learning Project Trainee – ITC InfoTech	[June 2018 - Jul 2019]
<ul style="list-style-type: none">Collaborated on Computer Vision Deep Learning project to help ITC group of hotels, to scan Government ID during the check-in process.Engineered model was able to detect 4 fields (Name, address, sex, and ID number) from the image with an accuracy of 92%	
Data mining Intern – HackerEarth	
<ul style="list-style-type: none">Integrated data mining tools to extract data from thousands of LinkedIn profiles.Coordinated remotely with the team and met for in-person meetings once a week.	

PROJECTS

Big Data and Cloud Computing	[Jan 2021]
<ul style="list-style-type: none">Deployed projects based on Map-Reduce using Apache Pig and Hive and worked Map-Reduce Optimization.Implemented Graph analysis program using Map-Reduce and Pregel on Spark GraphX.	
Library Database with GUI	[Apr 2020]
<ul style="list-style-type: none">Coded an interactive SQL library database. Used python for GUI.It keeps track of due date, book availability and borrower details.Three different users have access to different parts of the databases.	
Designed a Neural Network for Image Classification on CIFAR-10 dataset [PyTorch]	[May 2020]
<ul style="list-style-type: none">Restructured an ANN model to classify the fashion dataset. To classify Pants, tee, and shirtsTrained the model and could achieve 92% accuracy for 3 categories in the dataset.To obtain better testing accuracy using multiple hidden layers.	
Distributed File System [Python, Socket Programming, Multithreading]	[Sep 2019]
<ul style="list-style-type: none">Successfully designed and implemented a distributed file system using socket programming in PythonEngineered multithreading in the server to handle multiple concurrent clientsAssembled WatchDogAPI to constantly monitor a designated directory on client side to detect changes in the directory.Ensured file consistency by updating the files on all the client's directory even if one modifies the content at any point of time. Built a GUI for server and client using Pysimple GUI.Implemented two phase commits to ensure either all the clients do a particular operation or none of them will perform.	
Mango Classification Using Convolutional Neural Networks	[Jun 2018]
<ul style="list-style-type: none">Automated system for classification of mango images with a team of 4. Automatic identification and recognition of Mango species is necessary in the Indian market.Employed TensorFlow framework. Image classification of natural mango species.	