Harish Kunta

hkunta1@student.gsu.edu | +1 (678) 696-9619 | Atlanta, GA, US
www.linkedin.com/in/harish-kunta | https://github.com/harishtanu007

EDUCATION

Georgia State University ***Atlanta, GA***
Masters in Computer Science, CGPA: 3.8/4.0 *Jan 2020 – Present*
Related Courses: Deep Learning, Big Data Programming, Data Security, Data Structures
Jawaharlal Nehru Technological University ***Hyderabad, India***
Bachelor's in computer science, CGPA: 3.7/4.0 *Sep 2013 – May 2017*
Related Courses: Artificial Intelligence, Algorithms, Web Technologies, Cloud Computing, Mobile Application Development, Database Management.

PROFESSIONAL EXPERIENCE

Georgia State University ***Atlanta, GA***
Research Assistant *Jan 2020 – Present*
● Developed the university's Online Graduate Management System website consisting of 10+ modules for managing student, faculty, and staff under instructions of Director of Graduate Studies.
●Published a research paper on Cyber worm behaviour by conducting experiments on Large scale networks.
Tools and Technologies used: JavaScript, HTML5, CSS, PHP, Python, C++.

NCR Corporation ***Hyderabad, India***
Software Engineer, Agile Development *July 2017 - Dec 2019*
● Implemented new features for NCR's Retail store Android and iOS applications that significantly improved customers shopping experience.
● Was a part of offshore hybrid mobile application development team, involved in re-designing the existing native applications using Xamarin which remarkably reduced the development effort and cost.
● Visited and Installed end to end Mobile shopper environment in Retail Stores in Bangkok, Thailand.
● Hands-on work experience in setting up Continuous Integration pipelines for Application builds using Jenkins.
• Mentored interns for the domain knowledge as well as Agile practices, Git, JIRA.
Tools and Technologies used: Xamarin, C#, Android Studio, Java, Jenkins.

ACADEMIC PROJECTS

Sentimental Analysis on Amazon Reviews *(Spark and Scala)* ***April 2020***
● Implemented a machine-learning algorithm to determine a Review, whether it is positive or negative.
● In a nutshell, the project fetches historical Review data from Amazon website and passed to the Spark Machine Learning algorithm to classify the data using Logistic Regression.
● Extracted data patterns to gain insights, understand the customers, predict and enhance the customer experience, and improve decision-making.

Image Captioning Application-The Eyes ***(****TensorFlow and Google Cloud Plaform)* ***Sept 2020***
● This Android application is designed specifically for visually impaired users, to identify the things by pointing the mobile.
● Trained a machine learning model using COCO dataset containing 30k images with captions.
● Used RNN(GRU) for predicting the images and words for creating a meaningful caption for the provided image.
● Mobile Application uses mobile's voiceover functionalities to read it out loud for the user.

Music Recommendation using Deep Learning *(Keras and Google Colab)* ***Aug 2020***
● Preprocessed data by producing Mel-spectrograms for 8000 audio files, each of 30 seconds, from the Free Music dataset.
● Designed a CNN on Google Colab for classifying 60,000 image slices of these mel-spectrograms into eight different genres
● Predicted latent feature vectors using the final network and established strong cosine similarity score between one song (anchor) and other similar songs in the test set

PUBLICATION

● Bhavya Induri, Harish Kunta, Anu G. Bourgeois, David Maimon+, Ashwin Ashok (2020), *Towards an Experimental Testbed for Studying CyberWorm Behaviors in Large Scale Networks*

TECHNICAL SKILLS

Programming Languages: Python, Java, C++, C#, C
Web Technologies: JavaScript, React.js, HTML, CSS, PHP, Apache Tomcat
Operating Systems: Linux, Windows
Databases: MySQL, SQLite, Firebase
Tools: Microsoft Visual Studio, Android Studio, NetBeans, TensorFlow, Pytorch, Matlab, Eclipse, SVN