

SREEDHAR RADHAKRISHNAN

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EDUCATION

Carnegie Mellon University, Pittsburgh, PA

Master of Science in Information Networking | **Awarded CMU Graduate Scholarship**

May 2021

Coursework: Introduction to Computer Systems, Cyber Intelligence, Machine Learning

PES University, Bangalore, India

May 2018

Bachelor of Technology in Computer Science and Engineering | **Awarded Academic Merit Scholarship**

Coursework: Web Development, Big Data, Algorithms, Machine Learning, Operating Systems, Database Systems

Extracurricular: Entrepreneurship Cell - Public Relations Team Lead | IEEE Student Body - Core Team Member

SKILLS

Programming Languages: Java, Python, Go, JavaScript, C, Pl/SQL

Web Technologies: HTML, CSS, JavaScript, JQuery, AJAX, RESTful Web Services

Cloud Computing and Big Data Technologies: Amazon Web Services, Hadoop Distributed Filesystem, Apache Hive

EXPERIENCE

GE

Bangalore, India

Software Development Engineer

August 2018 - June 2019

- **Applied** Publish-Subscribe Design Pattern and built a Data Pipeline using Java, AWS Kinesis and AWS DynamoDB to notify stakeholders regarding data changes and anomalies.
- **Achieved** a performance of identifying data changes and streaming **3000 records/second**.
- **Implemented** REST APIs using Go for efficient retrieval of GE asset data from over **5 million records**.
- **Delivered** seminars on Data Science at Digital Bytes, a GE forum where knowledge and ideas are shared.

University of Southern California, Viterbi School of Engineering

Los Angeles, CA

Visiting Research Scholar

June 2017 - July 2017

- **Conducted** extensive literature survey in the area of Deep Learning for Computer Vision. Primarily focused on the applications of Generative Adversarial Networks (GAN) for Computer Vision tasks.
- **Developed** a Cycle GAN model for image translation of synthetic images to realistic urban scene images.
- **Presented** at the 9th International Conference on Computing, Communication and Networking Technologies held at Indian Institute of Science (IISc). ieeexplore.ieee.org/document/8493745.

PROJECTS AND PUBLICATIONS

Automating Car Design Studio With Generative Adversarial Networks (GAN)

Tech Stack: Python, TensorFlow, Flask, HTML, CSS and JavaScript

January 2018 - May 2018

- **Led** a team of 3 students and built a Web Application for car designers to generate probable designs from a basic car sketch. The application reduces design time and helps in early identification of design flaws.
- **Presented** at the 2018 IFIP Cross Domain Conference for Machine Learning and Knowledge Extraction held at University of Hamburg, Germany. springer.com/chapter/10.1007/978-3-319-99740-7_11.

Centralized Web Service for Multiple Social Networks

Tech Stack: Java, Jax-RS and Jersey

August 2017 - December 2017

- **Implemented** REST APIs for posting, reading or updating multiple Social Networks in a single operation.

Image Content Based Recommendation System For Apparels

Tech Stack: Python and openCV

January 2017 - May 2017

- **Designed** and developed an Image Processing Pipeline for recommending apparels similar to those worn by actors in videos. Maintained a blog to share learning. projectenvision.wordpress.com.