

INTERNSHIP EXPERIENCE

NVIDIA Graphics Pvt Ltd

Deep Learning Research Intern, Jan 2020 – May 2020

- ♦ Worked on research in Generative Neural Networks with a focus on Image Reconstruction.
- ♦ Built two Image inpainting models using GANs, using Tensorflow and PyTorch.

Delium Technologies

Computer Scientist Intern, May 2019 – July 2019

- ♦ Worked on the core of Customer Insights – module of the company's retail automation product "The Eye".
- ♦ Performed Data Analysis on Retail datasets to find correlation between a large number of products, and found links between customer churn and specific product availability along with customer buying patterns.

Infotech Software Dealers Association

Event Management Intern, November 2018 - January 2019

- ♦ Interned as an Event Organizer for the international event - TechSummit 9 organized by ISODA.
- ♦ Responsible for handling logistics, co-ordinating sponsors and speakers for the event.

Futurenet Technologies India Pvt Ltd.

Data Analyst Intern, November 2017 - January 2018

- ♦ Worked on visualization and prediction for Key Performance Indicators in sales.
- ♦ Analysed company's yearly sales data to find lead contributor to profits in various aspects.

PROJECTS

Resume Parser

- ♦ Created a tool for analyzing resumes, that extracts the desired information and inserts the information into a database.
- ♦ Built a UI to facilitate browsing parsed resumes and uploading new resumes dynamically.

Image Inpainting

- ♦ Used Generative Adversarial Neural Networks to perform Semantic Image Inpainting.
- ♦ Built an Inpainting model using DCGANs and one using Deep Image Prior.

Customer Segmentation for Retail Automation

- ♦ Created a Python based script to perform Customer Segmentation using Recency, Frequency and Monetary Analysis.

Automation of detection of choking in Air Filters

- ♦ Smart India Hackathon 2019 finalist, Designed a working prototype using Python and Raspberry Pi to automate choking detection.
- ♦ Created a website to notify choking percentage and visualize it over a time period. The prototype notifies by E-mail and text message, whenever air filter is about to be choked.

Real time Object Detection with Voice Feedback

- ♦ Created a Deep Learning model using YOLO (You-Only-Look-Once) algorithm that predicts the position of real time images fed through a webcam. It translates the object coordinates into voice feedback.

EDUCATION

Sri Venkateswara College of Engineering

Bachelor's of Engineering in Computer Science and Engineering, May 2020

- ♦ CGPA: 9.25
- ♦ 2019 – 2020 **Secretary** | ACM Student Chapter
 - Co-headed a team of 40 and organised technical symposium and department level events. Organized a 24 hour, inter-college college Hackathon. Raised funds over 50,000 INR.
 - Volunteered in organizing Webinars for women in Tech, an inter-college coding run last winter, seminars and guest lectures inside the college, on various topics.
- ♦ 2018 – 2019 **Secretary** | Rotaract Club
 - Part of the mentoring team for the Communication and English skills program designed to help students with non-English primary course of instruction.

SKILLS & PROGRAMMING LANGUAGES

- ♦ **Programming Languages:** Python, R, C/C++, HTML/CSS, MySQL, Javascript
- ♦ **Packages:** Tensorflow, PyTorch, Scikit Learn, Numpy
- ♦ **Web-frameworks:** Django, Flask