

Harini Ashok

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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

- A tool for that analyzes resumes, extracts the desired information and insert 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.

Automation of detection of choking in Air Filters

- 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.

Driver's Behaviour Analysis

- Project for HTC-ITMR, Simulated driving behaviour and classified drivers using Naïve-Bayes classifier.
- Created an app that scores each driver, tracks the driving location and also gives trip history. Also created a Deep Learning model that simulates good steering and autonomous driving.

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