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# EXPERIENCE SUMMARY:

Data Scientist with strong math background and 4+ years of experience. During this period I have acquired and used technical skills to develop scalable solutions for business problems using ML, DL, Image Processing, NLP techniques. And I have put my interpersonal skills to use to work cross functionally to define problem statements, collect data, make recommendations on possible process automations, and develop solutions for same. Also provided mentorship to the interns joining the team to drive business results efficiently. Willing to work in a challenging position with an organization that provides ample opportunities to use my skills to solve high impact business problems and to learn and grow.

# SKILL SET:

* Image Processing
* Deep Learning
* Machine Learning
* Python
* MongoDB
* SQL

# CERTIFICATIONS & COURSES:

## Machine Learning by Stanford Online

<https://www.coursera.org/account/accomplishments/verify/HEHUYQNDYLUG>

## Python

[https://www.datacamp.com/statement-of-](https://www.datacamp.com/statement-of-accomplishment/course/15633f2d68e28805b7551eb5e3d7b4bda63fc846) [accomplishment/course/15633f2d68e28805b7551eb5e3d7b4bda63fc846](https://www.datacamp.com/statement-of-accomplishment/course/15633f2d68e28805b7551eb5e3d7b4bda63fc846)

## Fast.ai Deep Learning International Fellowship

## University of San Francisco

**WORK PROFILE:**

**R&D Software Engineer - Image Processing - Omega HealthCare**

**(April 2018 – Present)**

* Development of zonal OCR for extracting structured data out of semi structured scanned documents. With estimated annual FTE cost saving of USD 4 million.
* Contributing to the development of a product for digitization of printed or scanned data.
* Work alongside key business stakeholders and effectively translate business problems into solvable technical problems and develop solutions for same.

**Image Processing Engineer - Vidhyaroha – A TCS foundation initiative (Dec 2016 – Mar 2018)**

* Worked on a product for attention span calculation of students using a computer in real time.
* Developed an application for estimating the gaze of humans in a video.
* Face and facial features detection.

**Systems Engineer – IBM India Pvt. Ltd (July 2015 – Nov 2016)**

* Requirement analysis, design, technical specific document (TSD), development and test case creation.
* Preparing all artifacts and deliverables as per release milestones.
* Received client appreciation for completing a deliverable within 40 hours, which is estimated to be 300+ hours, by rightly identifying the root cause that needs to be addressed.

**Projects:**

* **Identifying Images of Invasive Hydrangea**:

Developed a Deep Learning algorithm to predict the probability of presence of invasive hydrangea in the images of forests and foliage using the concept of transfer learning by fine tuning pre-trained deep learning model VGG16, ImageNet weights along with data augmentation.

Accuracy: 91.2%

Link: <https://drive.google.com/drive/folders/0B3AiatqiuYhoaFd3SjRjV0RhTTA>

## Clothing Classifier:

A Deep Learning algorithm that identifies the clothing in a given image as either ethnic wear or western wear. Developed by applying the concept of Transfer Learning on InceptionV3 architecture and ImageNet weights. The data used to train the algorithm is collected using a web crawler.

Accuracy: 87%

Link: <https://drive.google.com/drive/folders/0B3AiatqiuYhoQ2FHWFpLVTBPanc>

## KAGGLE:

Competed in 'Plant Seedlings Classification', 'Dog Breed Identification' Competitions. Is among Top 15% and Top 39% respectively.

Link: <https://www.kaggle.com/alusravs/competitions>

# EDUCATIONAL PROFILE:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.No** | **Qualification** | **Year of**  **Passing** | **Institution** | **Percentage** |
| 1 | B.E. | 2011-15 | Andhra University Campus | 77% |
| 2 | Intermediate | 2009-11 | Sri Chaitanya Junior College | 95% |
| 3 | S.S.C. | 2008-09 | Vignan Vidhyalayas | 92% |

# VOLUNTEER EXPERIENCE:

* Took Sessions on Deep Learning at AI Saturdays Meetup, Hyderabad.
* Taught Mathematics with Make A Difference – An NGO working to ensure equitable outcomes for disadvantaged children.
* Key contributor to Funny Business Inc @ Omega Tech – Responsible for planning and executing employee engagement activities.
* Key contributor to IBM Hyderabad Club. Planned and executed 3 events independently. Lead a team of 8 for organizing employee engagement activities within the project.

**SOFT SKILLS:**

* Good Business communication and presentation skills.
* Well-honed Co-ordination and project management skills.
* Leadership qualities with orientation towards collective progress.
* Team player with a welcoming attitude.