SHRAVAN CHANDRA

(+91)98868-24246 · protonmail/shrvanchndra · linkedin/shrvanchndra · github/shrvanchndra

OBJECTIVE

Research Intern with 1+ years of experience in Machine Learning & Data Science, seeking full-time opportunities in Software Development Engineering & Machine Learning.

EDUCATION

Bachelor of Technology in Electrical & Computer Science, PES University — 8.46   2017 - 2021
Relevant Coursework: Data Structures & Algorithms, Machine Learning, Deep Learning.
CNR Rao Scholarship Awardee. MRD Scholarship Awardee. Minored in Computer Science.

Pre-Grad, Narayana PU College — 92%   2015 - 2017
Schooling, Maharshi Public School — 9.0   2005 - 2015

SKILLS

Languages	Python, Java, SQL, C/C++, JavaScript
Libraries & Softwares	TensorFlow, PyTorch, Scikit-Learn, Git, OpenCV, NLTK
Industry Knowledge	Machine Learning, Relational Database, Data Structures & Algorithms

EXPERIENCE

Research Intern   Oct 2019 - July 2020
Center for Data Science and Applied Machine Learning   *Bangalore, IN*

- Worked on improving sentiment analysis of hate speech using NLTK and XGBoost.
- Extracted & interpreted relevant data from movielens dataset and predicted accurate behavior.
- Developed cartoons emotion recognition model with 85% accuracy using Keras and OpenCV.

Seasonal Employee   Jan 2021 - July 2021
Goldman Sachs   *Bangalore, IN*

- Part of Credit Drafting team for drafting, checking and finalizing trades of clients.
- Working on web-scrapping tools to automate cross-verification of documents for faster bookings of trades.

PROJECTS

Diabetic Retinopathy   Feb 2021 - Present

- Implemented ResNet and Xception for the prediction of retinopathy severity level using FastAi and Keras.
- Used OpenCV for image processing of retina scans to improve the predictions.
- Achieved 96% Kappa Score and 93% accuracy, which is 10% more than the baseline.

Offensive Speech Detection   Feb 2021 - Present

- Built a multitask learning model for different level of classifications using PyTorch.
- Working on hierarchical multitask model with adversarial training for improvement in scores.

Customer Satisfaction Analysis   Oct 2019 - Dec 2019

- Identified, analyzed, and extracted significant statistics from the customer satisfaction with different banks post demonetization survey data, using Python with NLTK and TensorFlow.
- Converted extracted data into actionable insights by predicting and modeling future behavior with 90% accuracy.

Low-Light Object Detection   Feb 2020 - July 2020

- This project ranked in the top 3 of the Intel Student Competition.
- Implemented an end to end object detection model using Zero-DCE and YOLOv3, built using Python with OpenCV and PyTorch.
- Accomplished 10% improvement in mAP score compared to vanilla YOLO.

Sign Language Translator   Sept 2020 - Present
- Working on a real-time translator, which can identify the dynamic hand and body gestures and interpret them to any desired language.
- The model will be integrated with a Raspberry Pi later for modularity and low cost.

EXTRA-CIRRUCULAR ACTIVITIES

- Organizer of Epsilon-2018.
- Amateur Guitarist & Singer.