

CHIRANTHAN SRIDHAR

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 /chiranthans23

 blog.chiranthans23.com

EDUCATION

B.E, Information Science & Engineering

R. V College of Engineering | 9.28 CGPA

2015 - 2019

- Among the top 10% of the department

Pre-University Examination, Science - Class XII

Sri Sathya Sai Loka Seva PU College | 98%

2013 - 2015

- Secured sixth rank in the state and first in the district

Central Board of Secondary Examination - Class X

Sri Sathya Sai Jyoti Vidya Kendra | 9.6 CGPA

2012 - 2013

- Among the top 5% of the class

WORK EXPERIENCE

Software Engineer II

Cisco

2021 - PRESENT

- Developed an automated scheduled and on-demand deployment of multiple applications in any pattern, using Argo
- Part of Cisco ML community core team

Software Engineer

Cisco

2020 - 2021

- Lead a team to develop a CLI tool to manage resources in a CI/CD pipeline
- Developed an intelligent case assignment system
- Developed a real-time CI/CD tools monitoring system

Software Engineer Intern

Cisco

2019 - 2020

- Wrote Groovy scripts to analyze various information related to Jenkins
- Setting up Splunk for various CI/CD tools for monitoring

PROJECTS

Stress analysis on social media

JUL - SEP 2021

Used Dreddit dataset. BERT tokenizer was used for tokenization. Multiple models were evaluated and tuned using Optuna. Finally, a Voting classifier using XGBoost, GBM, LGBM was used to get an accuracy of 78%.

Recommender WebEx bot for assisting in support cases

JAN - APR 2021

Dataset was formed from playbooks manually created in the past. Used FastAI, AWS Sagemaker to train the LSTM model. We achieved accuracy of 81%. Finally, a Webex bot was built to recommend a solution to cases.

Disease detection in pomegranate leaves using Image Processing

JAN - JUNE 2018

Pomegranate leaves images belonging to five categories of diseases were used to form a dataset. Used Image smoothing, enhancement, etc., to pre-process images in MATLAB. Used K-means clustering for image segmentation. Mean, S.D, Smoothness, and other properties were used as features. The classification was done using Multi SVM classifier with 94.1% accuracy.

Emergency message classifier

JULY - DEC 2017

Few thousand Whatsapp messages were used to form a dataset and were cleaned the dataset to be text-only. Used Tokenisation, POS tagging, and a customized Stemmer to further improve the dataset. A bag of emergency words was formulated, and important features were selected. The undersampled data from the dataset was trained on SVM classifier.

Credit Card Fraud Detection using Machine Learning & Reinforcement Learning

JAN 17- JU:L'18

Used a dataset of bank transactions. Normalized and Feature Engineered the dataset. The undersampled dataset was trained on multiple classifiers and evaluated the model using various statistical analysis parameters. Further, Reinforcement learning was used to track transactions in real-time. Finally, ExtraTrees gave the best accuracy and recall - 97.4% and 93.8%

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EXTRACURRICULARS

- Was a core member of the Acting club of our college, which won awards and plaudits at district, state, and national levels
- Part of founding team of Cisco Acting club that performs plays for social causes
- Grade 5 in Western classical Piano and have given many stage performances.

CERTIFICATIONS

- **Deep Learning Specialization** Neural Networks, Hyperparameter optimization, CNNs, Structuring ML Projects, Sequence Models *by DeepLearning.AI*
- **Machine Learning** *by Stanford*
- **Natural Language Processing Specialization** NLP with vector models *by DeepLearning.AI*

VOLUNTEERING

Immediate Past President

Rotaract Bangalore Basaveshwaranagar

2021 - PRESENT

- Advisor for the club. Mainly areas such as Wildlife Conservation, Environment, and Health are focussed. I analyze the feasibility of the ideas, estimate the resources required, and make sure our activities run smoothly.

Member

Rotaract Bangalore Basaveshwaranagar

2019 - 2020

- Joined a young team that was started to address the societal problems and improve our community
- Teach Mission- Taught over 100 government school kids English and life skills for a period of 3 months
- At the start of the pandemic, fed over 400 stray dogs daily for a period of 4 months
- Teach Mission won the best Professional Development Project Award in the District

MISCELLANEOUS

- Took workshops on **Problem-solving using DSA** in college for final-year students
- Recognized by college Dept. for helping Mtech students from Mechanical department in their project involving **Image processing**
- Took sessions on **ML, DL** in Cisco ML community

SKILLS

- GoLang, Groovy, Python
- Tensorflow, FastAI
- Hugo, Angular
- Docker, Kubernetes
- AWS

President

Rotaract Bangalore Basaveshwaranagar

2020 - 2021

- Lead a club of over 60 members. The focus was to create awareness about local culture, promote local vendors and small businesses during the COVID pandemic, actively helping people with COVID related issues.
- Won the Platinum Citation from Rotary International

Member

Rotaract RVCE

2016 - 2019

- Organised Paper Drive, Blood donation camps every year
- Many records were set from the fund raised from Paper Drive and units of blood collected from Blood donation camps