SURYA KRISHNAMURTHY

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EDUCATION

Vellore Institute of Technology, Vellore *June 2016 - May 2020*
Bachelor of Technology, Information Technology Cumulative GPA: 8.6/10

Shrishti Vidyashram *June 2016*
Senior Secondary Percentage: 90.8%

TECHNICAL STRENGTHS

Computer Languages Python, R, Julia, C++
Software & Tools PyTorch, Tensorflow, Spark, SQL/NoSQL, Stan, Linux

RESEARCH

Using Artificial Intelligence-based models to predict the risk of Mucormycosis among COVID-19 Survivors: Experience from India August 2021
Under review

· To the best of our knowledge, this is the first study to develop a machine learning model to predict the risk of mucormycosis among COVID-19 survivors.

Machine Learning Prediction Models for Chronic Kidney Disease Using National Health Insurance Claim Data in Taiwan May 2021
Healthcare

· Prediction of Chronic Kidney Disease risk from diagnosis and medication history using machine(deep) learning approaches.

Deep Learning for Short Answer Scoring March 2019
International Journal of Recent Technology and Engineering

· Using Deep Learning for the task of automated scoring of short descriptive answers

EXPERIENCE

Taipei Medical University, Taiwan May 2019 - June 2019
Research Intern

· Developed machine learning and deep learning models to predict Chronic Kidney Disease risk from diagnosis and medication history under the TEEP AsiaPlus Program

IQGateway, Bangalore June 2018 - Current
Associate Data Scientist

· Leading the development of an AutoML platform. Conducting research on interpretable ML and AutoML
· Automated functioning of home appliances with machine learning
· Analyzed tea images to identify the quality of tea
· Designed and developed recommendation engines for online education platforms
· Worked on forecasting sales based on products, stores, time and geographical data
· Worked on an OCR system for processing forms

Skcript, Chennai June 2018 - June 2018
AI Intern

- Collected text from web and built a model to detect the emotions in a text with performance comparable to commercial solutions
- Developed a deep-learning based image classifier to identify the type of clothing worn by a person
- Published a case-study on PlayStation E3 by analyzing and visualizing tweets

ACHIEVEMENTS

Special Student Achievers Award VIT, 2018-2019

Winner of AngelHack Agora challenge Bangalore and Agora RTC Beijing, 2018

Winner of Juspay HyperHack IITM Shaastra, 2018

Winner of CodeSpace hackathon VIT, 2018

Finalists in Global Conference on Advances in Science, Technology and Management (GCASTM) VIT, 2017

RELEVANT COURSES

Core Courses
Soft Computing
Data Mining Techniques
Artificial intelligence
Natural Language Processing
Big Data Analytics

Other Courses
Statistics for Engineering
Applied Linear Algebra
Transformation Techniques
Calculus for Engineers
Digital Image Processing

CERTIFICATIONS

Udacity Machine Learning Advanced Nanodegree

NPTEL Data Science for Engineers (Top 1%)

Coursera - Deep Learning Specialization

Coursera - Machine Learning

Microsoft Technology Associate for Introduction to Programming Using Python

STUDENT ACTIVITIES

Google Developer Groups, VIT February 2017 - May 2019
Technical Member *VIT Vellore*

- Worked on several projects based on Machine Learning and Back-end Web Development
- Conducted a workshop on Computer Vision. Devised introductory hands-on tutorials for participants through Google Colaboratory which was also made public
- Taught basic Python for beginners on our weekly workshops

RELEVANT PROJECTS

mlgauge – ML benchmarking library based on pmlb and openml

vityBot – A personal assistant for students in VIT university based on NLP to improve productivity

Neural Style Transfer implementation in keras

unSting – disaster recovery and management platform based on autonomous drones powered by computer vision and RTC

MediKit – Improved data-centric healthcare system powered by IoT and ML

FaceRec Security System powered by IoT and ML

Intrusion Detection System based on Machine Learning

WiFi Rover – Robot to traverse rugged terrains controlled with gamepad

Pneumonia detection through image enhancement and feature extraction