

# SURYA KRISHNAMURTHY

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## EDUCATION

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**Vellore Institute of Technology, Vellore**  
Bachelor of Technology, Information Technology

*June 2016 - May 2020*  
Cumulative GPA: 8.6/10

**Shrishti Vidyashram**  
Senior Secondary

*June 2016*  
Percentage: 90.8%

## TECHNICAL STRENGTHS

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**Computer Languages** Python, R, JavaScript, C++, Java

**Software & Tools** PyTorch, Tensorflow, Spark, SQL/NoSQL, Tableau, Linux, Docker, Git

## RESEARCH

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**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

**Prediction of Chronic Kidney Disease from clinical history**

*[Paper under review](#)*

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

## EXPERIENCE

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**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

*Data Science Consultant*

- Analyzed tea images to identify the quality of tea
- Worked on an automated feature engineering pipeline for tabular data
- 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

## ACHIEVEMENTS

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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

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### 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

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[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

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### Google Developer Groups, VIT

*Technical Member*

February 2017 - May 2019

*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

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**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