VIKRAMAN SENTHIL KUMAR

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EDUCATION

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

B.Tech In Computer Science & Engineering

June 2018 - May 2022

CGPA: 8.9/10

INTERNSHIPS

St Peters Institute of Higher Education and Research

RESEARCH INTERN (DOMAIN: MACHINE LEARNING, COMPUTER VISION)

Oct 2020 - Dec 2020

- · Worked under the guidance of Dr Sikamani, Department of Computer Science.
- · Researched and developed a modified U-NET to process image segmentation much faster and efficiently.

PROJECTS

SKIN CANCER CLASSIFICATION

Oct 2020 - Dec 2020

- Developed and implemented a convoluted neural network to detect and classify cancerous and non-cancerous skin types from deramascopic images.
- · Programming Language: Python, Libraries: NumPy, Matplotlib, TensorFlow, Keras, Seaborn, Pandas.

Stroke Predictions (EDA + Classification)

June 2020

- · The project involved predicting whether a person would suffer a stroke or not based on various healthy and unhealthy habits.
- · Programming Language: Python, Libraries: NumPy, Matplotlib, TensorFlow, Keras, Pandas.

COVID-19 MASK DETECTOR

April 2020

- · Developed a deep learning network that could detect a person wearing a mask in real-time.
- · Programming Language: Python Libraries: OpenCV, NumPy, Matplotlib, TensorFlow, Keras, Scikit-learn.

TRAFFIC MANAGEMENT USING ML

November 2019

- · Designed and developed a system through which cars change lanes according to traffic based on AI.
- · Programming Language: Python Libraries: OpenCV, NumPy, Matplotlib, TensorFlow, Keras

SKILLS

Programming Python, C, C++, R

POSITION OF RESPONSIBILITY

CLASS COORDINATOR

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

July 2019 - April 2020

- · Coordinated with Professors to promote various events to students in my class.
- · Guided students to use the college resources for their personal and professional development

MACHINE LEARNING CLUB

CLUBCOORDINATOR

March 2019-June 2021

- Taught Supervised Learning, Clustering methods, and Neural Networks
- Assisted members in projects

COMPUTER DEPARTMENT EVENT COORDINATOR

REPRESENTATIVE

July 2019 - Present

- · Helped teachers plan and organize department events such as culturals and workshops.
- · Represented the college and helped the college in receiving sponsorships for multiple companies.

VOLUNTEERING

NATIONAL SERVICE SCHEMEACADEMIC

Member

- · Assisted in organizing various other drives and events.
- · Participated in multiple awareness rallies

FESTS & COMPETITIONS

ACADEMIC

- 2020 Fractal Math's Modeling, SRM Institute of Science and Technology
- 2020 Altitudes 20
- 2019 Mozohack, SRM Institute of Science and Technology
- 2019 Smart India Hackathon, AICTE

EXTRACURRICULAR ACTIVITIES

- Chess
- Basketball
- Surfing
- Guitar

August 2018 - July 2019