

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)

Oct 2020 - Dec 2020

- Worked under the guidance of Dr.Sikamani, Department of Computer Science.
- Designed 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 if a person is 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, Java

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

CLUB COORDINATOR

March 2019 - June 2021

- Taught Unsupervised Learning, Clustering methods, and Neural Networks
- Assisted members in projects
- Aided club committee to hold regular club sessions and competitions.

COMPUTER DEPARTMENT EVENT COORDINATOR

REPRESENTATIVE

July 2019 - Present

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

VOLUNTEERING

NATIONAL SERVICE SCHEMEACADEMIC

Member

August 2018- July 2019

- Organized a free dental camp for underprivileged kids
- Assisted in organizing various other drives and events.

FESTS & COMPETITIONS

- 2020 Fractal Math's Modeling, SRM Institute of Science and Technology
- 2019 MOZOHACK, SRM Institute of Science and Technology
- 2019 Smart India Hackathon, AICTE
- 2018 ALTITUDES 20

EXTRACURRICULAR ACTIVITIES

- Chess
- Basketball
- Surfing
- Guitar