

Sakshi Kanwar

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EDUCATION

Vellore Institute of Technology

Senior Undergraduate, Computer Science; CGPA: 7.22/10.0

Vellore

July 2017 - Present

St. Anne's Convent School

AISSE (CBSE); Grade Aggregate: 89.88%

Chandigarh

May 2017

St. Anne's Convent School

AISCE (CBSE); CGPA: 9.8/10.0

Chandigarh

May 2015

INTERSHIPS

SkillSanta, CampK12

Instructor

Gurgaon

April 2020 - August 2020

- Remodelled **MobileNet image classifier** to play the classic snake game using ml5.js onto a p5.js sketch
- Built **unique machine learning** classifiers to classify contrasting sounds, images & postures using TensorFlow.js
- Developed interesting course plans tailoring to the academic, intellectual & social needs of students
- Adopted **distinctive teaching methodologies**; made a significant contribution to revamp the existing AI curriculum

Received Letter of Recommendation for excellent internship work, administrative assistance & business development.

PROJECTS

Generative Adversarial Networks GANs

Artificial Intelligence

Prof. Preetha D

February 2020 - May 2020

- Designed **algorithmic architectures** that use two neural networks pitted one against the other
- Fabricates new, **synthetic instances** resembling the real-time training data

Disease Prediction using Voice Assistant

Machine Learning

Prof. Manjula V

January 2020 - May 2020

- Analysed growth patterns using **convolutional neural network** based multimodal disease risk prediction algorithm
- Applied **Random Forest** to improve the accuracy & generalization performance of classifiers

Raspberry Pi & Arduino Based Automated Irrigation System

Microprocessors & Interfacing

Prof. Krishnamoorthy A

December 2018 - February 2019

- Developed an algorithm using threshold values of temperature & soil moisture to control water quantity with Raspberry Pi
- Automated using a **wireless sensor network & GRPS module** powered with **photovoltaic panel**

POSITIONS OF RESPONSIBILITY

Coordinator, Riviera'20: Oversaw Public relations, PR activities & communication for the fest

Department of Student Welfare, VIT

October 2019 - February 2020

- Ensured proper coordination within the organising team to conduct the annual 4-day cultural fest, Riviera
- Worked proactively with different sectors to build an **extensive database** comprising of sector-wise budget & expenses
- Contributed to **Comprehensive Budget allocation** & management through a dynamic spreadsheet for different segments

Publicity & Outreach Executive: Served as the Chapter's spokesperson

IEEE - Professional Communication Society, VIT

February 2019 - May 2020

- Devised creative public relations strategies fitting the Chapter's profile; **maximized** its presence on various channels
- Sought opportunities for partnerships & sponsorships; fostered long-term relationships with key professionals

Coordinator, GraVITas'19: Planned & organized events in accordance with financial & time restraints

Department of Student Welfare, VIT

August 2019 - October 2019

- Procured sponsorship** while negotiating with vendors to achieve the most favourable terms at a minimum cost
- Delegated tasks to executive members to ensure smooth execution of events
- Issued invoices & payments in a timely manner; created **comprehensive** & readable financial reports

EXTRA CURRICULAR ACTIVITIES

- Social Endeavours:** Proffered voluntary services through means of activities aimed towards bringing social reforms
 - Make a Difference:** Promoted foundational skills, self-confidence & functional numeracy in students as Academic Support Volunteer
 - Juvenile Care:** Volunteered for child education, youth skill development, & early child care at Srishti School, Vellore
 - Facilitated college admission procedures & board exams preparations of girls at Pastor Home, Vellore
 - Organised open house for children in slum areas to create awareness about child rights & child labour