



Aparna Patra

Student

I would describe myself as a risk-taking person with a knack for programming. Change is impossible without creativity, innovation, experimentation, risks, mistakes, and fun. I can offer this change.

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EDUCATION

Vellore Institute of technology, Vellore Btech in Electrical & Electronics Engineering

2019 - 2023

CGPA-9.33

PERSONAL PROJECTS

SOCIAL DISTANCING VIOLATION DETECTOR (06/2020 - 09/2020) [🔗](#)

- Aims at detecting Social Distancing Violation in Public Places using OpenCV, Detectron2 for detection and fast implementation.
- marks people with bounding boxes and changing the color of bounding box from blue to red if a pair of people come closer than 6 feet.

HEALTHINIC- YOUR PERSONAL CLINIC (11/2020 - 11/2020) [🔗](#)

- Using Machine Learning in Python to process a dataset of disease symptoms and regression to detect the disease according to the symptoms provided as input.
- Flask based API launched on Heroku.

AANVIK- Annual Expo website for TEC (12/2020) [🔗](#)

- Developed this website for annual event of TEC-VIT, using react JS, CSS, particles.JS and other frontend packages

Movie Recommendation System (2020) [🔗](#)

- Predicts or filters the preference of movies from a given list based on the users choice.
- Used collaborative filtering and machine learning packages.

EXPERIENCE

Microsoft Learn Student Ambassador Microsoft

10/2021 - Present

Virtual

Connect with other students who share the same passion in focused Leagues and use tech to solve real-world challenges together. Host digital events and offer guidance to other students.

Samsung PRISM Research Intern Samsung

11/2021 - Present

Virtual

Samsung PRISM is a student program offering students a chance to work on real-world projects, interact with Samsung's top technical experts and provide hands-on experience in core technology domains.

Campus Ambassador Coding Ninjas

SKILLS

C++

Java

Python

Data Structures and algorithms

Problem Solving

HTML

CSS

Javascript

ReactJS

NodeJS

Machine Learning

Flask

git

ACHIEVEMENTS

Runners-up in EnPhyThon (10/2019) [🔗](#)

Built a robotic bionic arm using node MCU including coding and assembly of various components in this college level hack-a-thon

Top 20 in Octahacks Hackathon (11/2020) [🔗](#)

Developed a smart healthcare assistant which can predict the disease(85% accuracy) on entering up to 6 symptoms

Certificate of excellence in Academics (2020) [🔗](#)

Ranked 7th in the branch

Innovation Think Tank Achievers (03/2021) [🔗](#)

Participated in this comprehensive 2-weeks long idea-thon, with only 130 global participants, aimed at the identification, analysis and solutions of the problems in existing healthcare systems around the world, conducted by Siemens Healthineers.

ORGANIZATIONS

Siemens Healthineers (2021)

Selected in 2-week long idea-thon

GirlScript Foundation (2021 - Present)

Contributor at GirlScript Winter of Contribution

LANGUAGES

English

Full Professional Proficiency

Hindi

Full Professional Proficiency

Odia

Full Professional Proficiency

INTERESTS

Entrepreneurship

Reading

Finances