

# Debika piriya Dharmalingam

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I'm a growth oriented individual who is currently pursuing bachelors in IT and actively looking for internship opportunities in the software development field. I love to logically think and critically analyze the given problem and crack the solution. I'm an active self learner and believe in improvising the world through my knowledge

- **EDUCATION**

- Bachelors of Technology, BTech —*information technology* ,2020-2024

Sri Siva Subramaniya Nadar college of Engineering,SSNCE

- Higher secondary education(class 12)  
2018-2020,Chennai public school
- High school(class 10)  
2018, Everwin Vidhyashram

- **TEST SCORES**

- Btech (till 3rd semester)- 9.3 cgpa
- Class 12- 480/500
- Class 10- 474/500-Secured school first
- JEE- 89.967 percentile( overall India)

- **PROJECTS**

- Map navigator for optimal traverse:
  - (2022)- 4th semester
  - Used python libraries,HTML and data structures
  - Project description: Maps are widely used technology in general. Here we attempt to get input as source, destination and any other places to be visited from the user. There on, we use folium library , graph data structure and diijstra's algorithm to compute shortest path between source and destination via the place(if any) preferred by user in openstreet map(HTML)

- Sample Text editor:
  - (2021)-3rd semester FDS project
  - Used python list linear data structure
  - This project aims at creating a text editor that gets string input and can displace cursor , add or remove characters at cursor position.
- Single view app:
  - (2022)
  - Used swift ui to create a simple single view app (card game) that lets user play against computer and counts points if computer and user get same card number
- Psychometric test:
  - (2020)-class 12 project
  - Used c++ file handling techniques
  - Project description: Psychometric test is the one which analyses the personality, verbal assessment of an individual by means of different questions with options provided and give the career path that can be chosen by the user
    - Files: To store questionnaires and answer given by user

- **SKILLS**

- programming languages- python,c++
- Data structures and algorithms:
  - So far in my college i had an opportunity to learn about linear data structures such as list, stack,queue,linked list, doubly linked list and non linear data structures like trees( BST,AVL,RB) and algorithms such as kruskals,prims,dijkistra, ford-fullkerson, floyd-warshall.
  - Learnt about data structure concept such as overloading , oops concept, templates and exception handling.
- Mathematical skills:
  - Aptitude
  - Discrete math- i love to solve set theory and logic proposition sums
  - Algebra
  - statistics
- Communication
  - Proficient in Tamil, English and have elementary proficiency in hindi and malayalam

- **INTERESTS:**

- Competitive Programming:
  - Link to codeforces profile:[https://codeforces.com/submissions/debika\\_dp](https://codeforces.com/submissions/debika_dp)
  - Implementation of dsa in efficient and optimal manner for a given problem statement
  - Also solved geeksforgeeks, hackerrank problems
- machine learning(beginner level)

Currently learning machine learning basics and implementation in google colab jupyter notebook

- **Other interests:**

- Abacus  
Completed all 8 levels of abacus ucmas
- Elocution  
Actively participated and won in various school and inter school elocution in tamil and english languages
- Essay writing  
Had written a lot of essays pertaining to socio economic causes
- Personal blogs  
I love writing personal blogs and noting down important moments

- **Declaration:**

I sincerely declare that the facts provided in this resume are true and correct to the best of my knowledge. I hereby confirm that all the details furnished above are authentic and accurate to the best of my belief.

Yours sincerely,

Debika piriya dharmalingam