



# MADHUMITHAA

I am a driven and enthusiastic student pursuing my Bachelors in Computer Science and Engineering at SSN College of Engineering. I am interested in web development, data analysis, program testing and debugging. I would like to work and apply myself in the above mentioned fields.

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github.com/Madhu-25

## EDUCATION

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**Bachelor of Engineering** | *Computer Science*

SSN College of Engineering

CGPA: 8.87

Co-curricular : member of the NSS

**Higher Secondary Education**

Vanavani Matriculation Higher Secondary School

Percentage: 94.25

Positions of responsibility: Class Prefect

2018 – present

Chennai, India

2016 – 2018

Chennai, India

## TECHINICAL SKILLS

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- **Programming Languages:** C, Python, Java, C++, HTML, JavaScript , CSS, Dart
- **Database Management:** MySql, MongoDB, Oracle Sql
- **Web Development:**
  1. Flask Full stack development
  2. Mern stack development
  3. JAVA Full stack development
  4. Angular - Front-end development (basics)
- **IDEs:** VS Code, IntelliJ IDEA, Sublime Text, NetBeans
- **Mobile Application Development:** Flutter & Dart
- **Unix and shell programming**

## EXPERIENCE

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**SDE Intern at LitWiz Labs**

July 2021 – Present

Developing Full Stack Applications using React js and Node js

Designing and developing RESTful APIs.

Working with ml5.js and TensorFlow.js to develop ML models

## PROJECTS

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**DRUGSTORE MANAGEMENT** | *C prg*

*Drugstore management* - This application is built using data structures like bst and queues in C programming language.

It is used to maintain drug inventory.

## **STUDENT-TEACHER RECORD MANAGEMENT | *Java***

*Student-teacher application* - This application has been developed using JAVA programming language. It allows to maintain student and teacher records and perform operations on them.

## **SNIPPET MANAGER | *Mern stack***

*snippet-manager* - This application has been built using React js, Node js, Express js, css and mongoose. This application allows users to register, login and manage snippets online.

## **CHESS CONFIGURATION DETECTION | *DL, CNN***

*Chess configuration detection* - This project predicts the FEN notation of a chess board using Deep Learning (CNN).

## **AIRLINE RESERVATION SYSTEM | *Flask***

*Airline Reservation System* - This is a web application developed using Flask framework and written in python3. It is a basic Airline management system where customers can book and cancel flight tickets. The Admin can add routes, flights and manage cancellations.

## **COURSES COMPLETED**

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- **Introduction to Cloud development with HTML, CSS and Javascript** | *Edx*  
Front-end web development – *e-certificate*
- **Introduction to Cloud computing** | *Edx*  
Basic concepts of cloud computing, Paas, Saas & IaaS – *e-certificate*
- **Deep Learning Fundamentals with Keras** | *Edx*  
Basic concepts of DL, algorithms, activation functions, gradient descent, Keras library – *e-certificate*
- **Mern stack course** | *Udemy*  
Developing Mern stack applications using React, Node js, Express and mongoose – *e-certificate*
- **Flutter App Development course** | *Udemy*  
Building mobile applications using Flutter & Dart – *e-certificate*
- **Machine Learning Scientist with Python** | *Datacamp*  
Performing supervised , unsupervised and deep learning using python – *e-certificate*

## **ACHIEVEMENTS**

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- Science Stream Topper of the School 2017 – 2018
- Proficiency Prize Winner 2016 – 2017
- Mathematics Topper of the School 2015 – 2016  
Secured centum in Mathematics

## **LANGUAGES**

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- **English** | *full professional proficiency*
- **Tamil** | *full professional proficiency*

## **INTERESTS**

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**Space science, Movies, TV shows, Music**