



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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EDUCATION

Bachelor of Engineering | *Computer Science*

SSN College of Engineering

CGPA: 8.87

Co-curricular : member of the NSS

2018 – present

Chennai, India

Higher Secondary Education

Vanavani Matriculation Higher Secondary School

Percentage: 94.25

Positions of responsibility: Class Prefect

2016 – 2018

Chennai, India

TECHINICAL SKILLS

- **Programming Languages:** C, Python, Java, C++, JavaScript, TypeScript
- **Database Management:** MySQL, MongoDB, Oracle Sql
- **Web Development:**
 1. Web development - HTML, CSS, Javascript
 2. Flask Full stack development
 3. Mern stack development
 4. JAVA Full stack development
 5. Angular - Front-end development (basics)
- **Unix and shell programming**

PROJECTS

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.

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.

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).

COURSES COMPLETED

Mern stack course | *Udemy*

Developing Mern stack applications using React, Node js, Express and mongoose

e-certificate

Machine learning all | *Coursera*

Basics of machine learning

e-certificate

Deep Learning Fundamentals with Keras | *Edx*

Basic concepts of DL, algorithms, activation functions, gradient descent, Keras library

e-certificate

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 and how it works

e-certificate

ACHIEVEMENTS

Science Stream Topper of the School

2017 – 2018

Secured the highest cut off in science stream- 194/200.

Topper in mathematics -194/200. Topper in physics- 198/200.

Proficiency Prize Winner

2016 – 2017

Received Proficiency Prize for performance during the academic year 2016-17

Mathematics Topper of the School

2016

Secured Centum in Mathematics.

Tamil Nadu State Academic Research and Training Institute- Quiz Competition

2014

Secured First place in District level science Quiz

LANGUAGES

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

INTERESTS

Space science, Movies, Music, Reading, TV shows