

Aaravind N M

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Education

B.Tech Computer Science & Engineering (Artificial Intelligence & Data Science) 2021 – present
SASTRA Deemed University Thanjavur

CGPA : 9.16

Relevant Coursework: Data Structures and Algorithms, DBMS, Computer Networks, Operating Systems, Predictive Analysis, Machine Learning, Deep Learning

Class XII 2021
Chinmaya Vidyalaya Coimbatore
Percentage: 95.4

Professional Experience

Web Developer Intern Jun 2023
Cholamandalam Investments and Finance ☑ Chennai

- Worked on creating an API on **Nodejs** and **MongoDB**, that allows clients to borrow money by mortgaging their shares and track the excess/shortfall of their stock holdings.
- Worked on validating requests and implementing cron jobs for existing API

Technical Skills

Languages
C++, Python, JavaScript, Java

Technologies / Frameworks / Libraries
Tensorflow, Node.js, React, MongoDB, SQL

Projects

Gesture Detection in Sign Language

- Developed a robust model by combining Convolutional Neural Networks (**CNN**) with classic feature extraction methods like **ORB** and **Gabor filter**.
- Attained a high accuracy rate of **95.3%** with the developed model.

Hotel Booking App ☑

- Developed an app to search, book, and list hotels with traditional and OAuth authentication
- Built using **React**, **Mongo**, **Node**

Flight Booking System ☑

- Developed a backend system for flight booking system as microservice architecture on **Node.js**, **Express.js** and **MySQL**
- **Search**, **Booking**, **Reminder**, **Authentication** services were built
- Implemented **cron job** in reminder service to send notifications before journey

Student Course Registration API ☑

- A backend service for handling student registration for a single course on **Express.js** and **MongoDB**
- **JWT** authentication used for two types of users: **Student**, **Administrator**

Certificates

Specialization in Machine Learning ☑
Offered by Stanford University