

Aravind R

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EDUCATION

SSN COLLEGE OF ENGINEERING | B.E. COMPUTER SCIENCE AND ENGINEERING

2020 - Current | Chennai, India

- Cumulative Grade Point Average: 8.42/10 (first 5 semesters)

CHETTINAD VIDYASHRAM (CBSE) | SENIOR SCHOOL CERTIFICATE (CLASS XII)

2019 - 2020 | Chennai, India

- Percentage: 96.6

CHETTINAD VIDYASHRAM (CBSE) | SECONDARY SCHOOL CERTIFICATE (CLASS X)

2017 - 2018 | Chennai, India

- Percentage: 93.2

PROJECTS

CAB BOOKING APPLICATION | C++

2019

- An application that helps users to search for and book cab rides from one location to another. Includes maintaining accounts for various users, storing ride details for each trip, customer ride history, feedback.

BRICK BREAKER BALL GAME | JAVA

2021

- Classic single player game developed using core Java principles with a simple user interface where the objective is to break a setup of bricks using a bouncing ball and a paddle that can be moved using arrow keys. Includes keeping track of game score including the highest score by any player.

PRODUCTHUNT DATABASE | ORACLE SQL

2022

- A database management system using entity relationship (ER) concepts and SQL principles for an online marketplace where products can either be uploaded by sellers for sale to customers or uploaded products can be purchased by customers from the sellers.

PROJECT SANJAYA | PYTHON, TENSORFLOW, FLUTTER

2022 - 2023 (in progress)

- A live visual assistant that uses computer vision and image processing techniques to aid visually impaired students to physically perform experiments independently in the physics lab. Captures lab equipment images using a camera mounted on a spectacle lens, processes the captured images at a mobile app using computer vision and generates captions for them, and converts the captions to speech in English and a local language, which is output to a earpiece.

COMIC GENERATION APPLICATION | PYTHON, GPT-3, DALL-E 2

2023 (in progress)

- An application designed to help users create their own comic image stories. Takes in a set of input keywords, generates a prompt for GPT-3 to write a random textual outline of the story using the given keywords, and generates comic illustrations from the text using DALL-E 2. Consists of a Python back-end server, a front-end website for user interaction and a database to store the comics.

SOFT SKILLS

- Good communication and interpersonal skills
- Commitment
- Teamwork and collaboration
- Efficient management of time and resources
- Strong desire to learn new things

TECHNICAL SKILLS

PROGRAMMING

Proficient:

C • Java

Familiar:

Python • Bash Script • C++ • SQL • HTML • CSS

LANGUAGES

Proficient:

English • Tamil

Familiar:

Hindi • German

CLUB ACTIVITIES

Co-curricular

SSN Coding Club • Google Developer Student Club (GDSC at SSN)

Extra-curricular

SSN Quiz Club (Q Factorial) • SSN Photography Club • National Sports Organization (NSO)

HOBBIES AND

INTERESTS

Table tennis • Movies • Video games • Music • Interests in aviation, astronomy and cricket