



EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2023	M.SC(5YR)	IIT Kharagpur	8.53 / 10
2017	Tamil Nadu State Board	Sri Kamakshi Vidyalaya Matriculation School	91.16%
2015	CBSE	Sakthi Vinayagar Hindu Vidyalaya	9 / 10

INTERNSHIPS

Software Development Intern | Insanefit Technologies Pvt. Ltd. May'22 - Jul'22

- Developed python script that takes motion tracking **JSON** as input and generates an image for each frame using **OpenCV**
- Created a motion blur effect by exponentially decaying the opacity of multiple frames using decay factor as an argument
- Added transitions using **MoviePy** library to give a smooth visual effect whenever an exercise changes in the output video
- Built an app with **Dart**, **Flutter** and **strava_flutter** library to share workout results of the user in strava through **strava APIs**

Teaching Assistant | Web Development | Coding Ninjas Jun'22 - Aug'22

- Key responsibilities involved taking doubt sessions, debugging codes and helping students in their assignments and projects
- Assisted **269** students in **MERN** stack, evaluated **16** Projects and resolved **515** doubts with an average rating of **4.7 out of 5**

PROJECTS

ChefRef | Frontend Project Sep'21 - Nov'21

- Hosted website Link: <https://suriyaaap13.github.io/ChefRef/index.html>
- Designed a responsive meal application using **TheMeal API** themealdb.com to display, view, search and mark favorites
- Integrated **local storage** of the browser to store user's favorite meal data and make the favorites list of the user persistent
- Implemented the application with HTML, CSS, Vanilla Javascript, **Bootstrap** and deployed the application using **Github** pages

Codelada | Placement-Cell | Fullstack Project Apr'22 - May'22

- Deployed website Link: <https://obscure-castle-82355.herokuapp.com/>
- Developed an app for the employees of a career training company to perform **CRUD** operations on student/interview data
- Implemented allocating students to a new interview, updating and displaying the results and download them as a **.csv file**
- Built with Node.js, Express.js, MongoDB, Mongoose, JQuery, Bootstrap, EJS, CSS and hosted the application in **heroku**

Movie API | Backend Project Apr'22 - May'22

- Constructed a **RESTful API** that collects movies from **TheMovieDB** API and allows user to register and login with JWT token
- Implemented methods to retrieve movie list, rate a movie, edit movie rating and to view average rating of each movie
- Built with Node.js, Express.js, MongoDB, Mongoose. Libraries/packages used includes jsonwebtoken, bcrypt, mongoose, Joi

Hospital API | Backend Project May'22 - May'22

- Developed a RESTful API for the doctors of a Hospital to register in a hospital database and login using **JSON Web Tokens**
- Implemented functionalities for a doctor to register, login patient, retrieve medical history of the patient and create report

SKILLS AND EXPERTISE

Languages: (*Fluent*) - C++, HTML, CSS, JavaScript, Node.js | (*Familiar*) - Dart, Python, Java

Software/Tools: Git, Github, VSCode, MongoDB, EJS, Postman, Android Studio, Codesandbox, Google Colab, Heroku, Netlify

Frameworks and Libraries: (*Fluent*) - Express.js, passport.js, JQuery, Bootstrap, Mongoose | (*Familiar*) - React, Flutter

AWARDS AND ACHIEVEMENTS

- Participated in coding competitions on the platform Codechef and secured a highest rating of **1754** (3star)
- Recipient of MCM Scholarship worth Rs. 2,12,000/- in the academic year 2018-19 for academic excellence in IIT-Kharagpur
- Secured 1st position in Computer Science and Chemistry with 98% and 95% respectively in 12th board exam (School level)

POSITIONS OF RESPONSIBILITY

Secretary Students Welfare | Homi J Bhabha Hall of Residence Jul'19 - Apr'20

- Organized interactive sessions, workshops between hall boarders on topics from academics to extra-curricular activities
- Created an Alumni database of the hall which helped in building interaction between alumni, admin and students
- Coordinated with General Secretary Students Welfare and Alumini Affairs on managing a Hall Budget of INR 80,000/-

Student Welfare Group | Technology Students Gymkhana Dec'20 - Jun'21

- Coordinated monthly mentor-mentee meetups to guide them with solutions to both academic and non-academic problems

EXTRA CURRICULAR ACTIVITIES

- Participated in **Google Kickstart** Round E 2022 and secured a **global rank of 3924** out of 10K+ registered candidates
- Expert in **touch typing**, can type at a speed of **60-75 WPM** with more than **97%** accuracy in a standard qwerty keyboard
- Represented Homi Jehangir Bhabha Hall of Residence in illumination and rangoli for the academic session 2019-20