



EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2022	M.SC(5YR)	IIT Kharagpur	6.95 / 10
2017	AISSCE	CBSE	91.2%
2015	AISSE	CBSE	10 / 10

COURSEWORK INFORMATION

Programming and Data Structures | Design and Analysis of Algorithms | Object Oriented System Design | Discrete Mathematics
Computer Organisation and Architecture | Switching and Finite Automata | Operations Research | Basic Electronics |
Probability and Statistics | Stochastic Processes in Finance | Linear Algebra | Regression and Time Series Model |
System Programming | **ongoing:** File Organization and Database Systems | Theory of Operating Systems

SKILLS AND EXPERTISE

Computer Languages: C, C++, Python, HTML5, CSS, Java, JavaScript, TypeScript, Dart
Frameworks /Tools: Flutter, Firebase, SQL, MongoDB, node.js, Express.js, Bootstrap, Materialize, PyQt5, jQuery
Software/Platform: Linux, Windows, Adobe Xd, Git, MATLAB, Android Studio, Visual Studio Code

AWARDS AND ACHIEVEMENTS

JAWAHAR NAVODAYA VIDYALAYA

- Selected for Jawahar Navodaya Vidyalaya and received free education from 6th to 12th.
- Secured Third Prize in Regional level Social Science Model Exhibition, held at JNV Amarkantak, MP in 2012-13.
- Selected in National level Poster making competition, organised by NCERT, And attended Adolescence Education programme held at NCERT headquarters, New Delhi in 2014-15.

DAKSHANA SCHOLARSHIP

- Received Dakshana Scholarship which provided free IIT JEE coaching for two years in JNV Kottayam. Under this program, less than only 1% of students are selected from the GDST examination.

JEE ADVANCED 2017

- Successfully Cleared and was among top contenders to grab a seat in Mathematics Department, IIT Kharagpur.

PROJECTS

<https://github.com/nalini21>

GRAPH EDITOR GUI

September 2019 - November 2019

- Created a Graph Editor Graphical User Interface with python using PyQt5 where users can draw and edit a graph. This project was given under Object Oriented System Design subject, Mathematics Department.

COVID-19 TRACKER APP

March 2020 - May 2020

- Developed COVID-19 Tracker Mobile Application using Flutter and APIs. It provides basic QnA related to novel coronavirus, its prevention tips from WHO, updated statistics of the confirmed total, active, recovered, death cases of World, India, different countries and different states of India.

NUMBER TRIVIA APP

April 2020 - May 2020

- Developed Number Trivia Mobile Application using Flutter and Numbers API. In this application, the user can enter any number to check if there are any interesting facts related to it or can choose random trivia option to get facts about a random interesting number.

HOSTEL LIBRARY WEBSITE

May 2020 - June 2020

- Build a Hostel Library website model with HTML, CSS and JavaScript, where hostel boarders can see the list of all the books available at the hostel's library and also their issue details.
- Used Firestore as the database, Firebase-auth for handling all the authentication based functions like registering new users and tracking registered user's login status, Materialize and basic CSS for styling pages and forms.
- Few features of this website are - authentication based UI (Add Book and Edit book issue details feature only accessible to the Admin), users can bookmark books so that they can keep track of the availability of their favourite books.

QUICK QUIZ WEBSITE

June 2020 - July 2020

- Build a Quiz website with HTML, CSS and JavaScript, used Questions API to fetch questions, Firestore to save scores and fetch high scores.
- Few features of this website are- User can choose category and difficulty level of the quiz, heads up display shows current question number and score of the user, user can save his/her score with a username.

POSITIONS OF RESPONSIBILITY

GENERAL SECRETARY LIBRARY B. R. AMBEDKAR HALL OF RESIDENCE, IIT KHARAGPUR

- Served as General Secretary Library of B. R. Ambedkar Hall of residence, IIT Kharagpur for the session 2019-2020. Availed fifty new books of various categories to the hall boarders and worked on the digitalization of books issue and return process of the library.

EXTRA CURRICULAR ACTIVITIES

- Secured Third Prize in Inter Hall Poster Making Competition, IIT Kharagpur in session 2018-19
- Secured Fourth Prize in Inter Hall Cartoon Making, IIT Kharagpur in session 2018-19
- Actively Participated in Hall Illumination, Rangoli Making Programme every year.