

# Gayathri Jayan

gayatrijayan2003@gmail.com | +91 8904481046

## EDUCATION

### RV INSTITUTE OF TECHNOLOGY AND MANAGEMENT

BE IN COMPUTER SCIENCE AND ENGINEERING

Dec 2022 - Present | Bengaluru, Karnataka

**CGPA: 9.69**

### CHRIST ACADEMY JUNIOR COLLEGE CBSE - 12TH GRADE

June 2020 - May 2022 | Bengaluru, Karnataka

**Percentage: 94.2**

### RYAN INTERNATIONAL SCHOOL ICSE - 10TH GRADE

June 2009 - May 2020 | Bengaluru, Karnataka

**Percentage: 96.33**

## LINKS

Github: [github.com/gaya3jayan-11](https://github.com/gaya3jayan-11)

LinkedIn: [linkedin.com/in/gaya3jayan](https://www.linkedin.com/in/gaya3jayan)

Linktree: [linktr.ee/gayathrijayan](https://linktr.ee/gayathrijayan)

## COURSEWORK

### UNDERGRADUATE

- Analysis and Design of Algorithms
- Data Structures and Application
- Data Visualization with Python
- Object Oriented Programming with Java
- Principles of Programming using C
- Introduction to Python Programming
- Operating Systems
- Database Management Systems

## SKILLS

### PROGRAMMING LANGUAGES

- Python • Java
- C • C++ • MySQL

### OTHER TECHNICAL SKILLS

- Data Structures • Algorithms
- Basics of AIML • Git

## SOFT SKILLS

- Teamwork • Creativity
- Time Management

## INTERESTS

- Dance • Sketching

## PROJECTS

### SUDOKU SOLVER MOBILE APPLICATION | JAVA, XML

- Utilized backtracking to efficiently solve Sudoku puzzles entered manually by users
- Includes functionality to determine whether the provided Sudoku has a valid solution
- [github.com/gaya3jayan-11/SudokuSolver-MobileApplication](https://github.com/gaya3jayan-11/SudokuSolver-MobileApplication)

### COMBAT CARBON | HTML, CSS, PYTHON, FLASK, SQLITE, RESTFUL API, BOTPRESS

- An all-in-one web app for calculating emissions from transportation and utilities, featuring a random forest regression ML model
- Includes a chatbot for personalized recommendations, database storage, and email authentication
- [github.com/gaya3jayan-11/combat-carbon](https://github.com/gaya3jayan-11/combat-carbon)

### LIBRARY MANAGEMENT SYSTEM | PYTHON, MYSQL

- Implemented a library management system with a database for membership, book, and borrowing records
- Calculates due dates based on the current date
- [github.com/gaya3jayan-11/Library-Management-System](https://github.com/gaya3jayan-11/Library-Management-System)

### INVENTORY MANAGEMENT SYSTEM | JAVA, AWT

- Designed a system for efficient inventory management and rent calculation, featuring an intuitive UI
- Implemented customers and their products as objects
- [github.com/gaya3jayan-11/Inventory-Management-System](https://github.com/gaya3jayan-11/Inventory-Management-System)

### AIRPLANE RESERVATION SYSTEM | C

- Developed a system with singly linked lists for storing user details, flights, bookings, and checking seat availability
- Performs insertion and deletion at both ends of the linked list
- [github.com/gaya3jayan-11/Airplane-Reservation-System](https://github.com/gaya3jayan-11/Airplane-Reservation-System)

### BUBBLE SORT VISUALIZER | C

- Developed a C program that uses ANSI escape codes to visualize the bubble sort algorithm with colored text
- Utilizes arrays to demonstrate the sorting process step-by-step
- [github.com/gaya3jayan-11/Bubble-Sort-Visualizer](https://github.com/gaya3jayan-11/Bubble-Sort-Visualizer)

## AWARDS AND ACHIEVEMENTS

- Scored a perfect SGPA of 10 and ranked 1st in the college
- Secured a position in the top 10 out of 100+ students in a coding contest at the CodeBoost workshop held in RVITM
- Completed the Google Clouds Study Jam 2023
- Selected for and competed in Round-2 of FantomCode-24, a National-Level 24-Hours Hackathon
- Demonstrated leadership as the junior head of the classical dance team in the college