

# Dhaipule Sujith Sai

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## EDUCATION

### Indian Institute of Information Technology, Guwahati

Bachelor of Technology, Computer Science and Engineering

CPI: 7.89

July 2021 – June 2025

### Sri Chaitanya Junior Kalasala, Hyderabad

Intermediate (Telangana State Board of Intermediate Education)

Score: 94.4%

March 2019 – May 2021

## SKILLS

**Programming Skills:** C++, C, Java, Python, Git, MySQL, HTML, CSS, Bootstrap, JavaScript, Node.js, Express.js, Bash

**Other:** Object-oriented Programming, Amazon Web Services, Statistics, Data Visualization, Project Management

## PROJECTS

### Operating Systems | C++

Prof. Gautam Barua, IIIT Guwahati

- Built a simplified Unix-based file system, offering features such as creating, deleting, reading, and writing files.
- Implemented a virtual memory and disk management system in C, exploring concepts like paging, frame allocation, page replacement, and handling page faults using Random, FIFO, and LRU algorithms.

### Computer Networks | Java

Dr. Radhika Sukhapuram, IIIT Guwahati

- Developed a Java client-server application for network node communication via command line.
- Simulated network protocols and analyzed data transfer using NetSim, a network simulation software.

### BhuFusion | HTML, CSS, JavaScript, Node.JS, Express.JS, MySQL Dr. Sanjay Moulik, IIIT Guwahati

- Developed a full-stack e-commerce platform to connect Farmers, Agricultural Machinery Dealers, Agricultural Resource Dealers, and Customers, facilitating their agricultural needs.
- Enabled efficient data handling through MySQL database, facilitating product search and user profile management, using Git for smooth peer collaboration, and deployed to Amazon Web Services Cloud Platform.
- Optimized webpage rendering using EJS, ensuring a user-friendly interface and seamless user experience, while conservatively utilizing less than 50 MB of memory.

### Real Estate Desktop Application | Java, Swing(GUI)

Dr. Sumit Mishra, IIIT Guwahati

- Built a Real Estate Management System where users can buy or sell their properties.
- Streamlined user interaction by designing a user-friendly interface for property listing and searching.
- Designed Entity-Relationship diagrams for the database, illustrating the relations between any two entities.
- Collaborated with a team to implement a project using Java (Swing library) for the UI and MySQL for database management, achieving a database access latency of 32 milliseconds for 1,013 records.

### Computer Security | C++, Linux

Dr. Rakesh Matam, IIIT Guwahati

- Created C++ USB malware demonstrating file infection, autorun setup, and self-replication upon insertion.
- Simulated network traffic and used Snort (NIDS) to detect and analyze specific traces in the network's traffic.

## COURSE WORK

**Technical Courses:** Algorithms \* | Machine Learning \* | Database Management Systems \* | Operating Systems\* | Computer Networks \* | Data Structures \* | Software Engineering \* | Compilers \* | Cloud Computing \* | Computer Security

**Mathematics and Sciences:** Linear Algebra | Probability | Discrete Mathematics

\* Includes Lab component

## COMPETITIONS

**TS-EAMCET 2021**— Ranked in the top 1.5% out of 2 lakhs students.

**COMEDK 2021**— Ranked in the top 2% out of 50,000 students.

**JEE (Main) 2021**— Ranked in the top 5% out of 11 lakhs students.

## EXTRA-CURRICULAR ACTIVITIES

**Yuvaan:** Volunteered at a 3 day annual cultural fest, assisting with event planning and execution.

March 2023

**Fit India Moment:** Engaged in a 2 km fitness initiative by the Ministry of Youth Affairs and Sports; promoted physical health and community engagement.

March 2022