

RUDRANIL KUNDU

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Education

University of Engineering & Management, Kolkata

2016 – 2020

- Bachelor of Technology (B.Tech) in Computer Science and Engineering | CGPA: **8.72/10**

Howrah Vivekananda Institution

2013 - 2015

- Class XII (Higher Secondary Examination), WBCHSE | **75.6%**

Howrah Vivekananda Institution

2007 - 2013

- Class X (Secondary Examination), WBBSE | **81.7%**

Projects

Attendance Management System

- Developed a Java based backend of Attendance management system.
- Developed and implemented functionalities such as addition, deletion of student records, querying individual student details along with the days they attended the classes, list students in the class, calculating attendance percentages of students.
- Source code available at : [Attendance-Management-System-using-Java](#)

Technology/Tools: Java, IntelliJ IDEA

Algorithm Visualizer using p5.js

- Worked in a 4 person team and built a web application that provides a visual representation of various sorting algorithms such as **Bubble Sort, Insertion Sort, Quick Sort, Selection Sort, Merge Sort**.
- Developed and implemented functionalities such as switching the current algorithm, selecting input size, sorting input in ascending and descending order also shuffling the input before the visualization begins, pause the algorithm at any moment, iterate through each pass one by one, displaying number of passes, swaps and comparisons made in the sorting algorithm.
- The library used for animating the various sorting algorithms is **P5.js**.
- The project can be seen at : [Algorithm-Visualiser](#)

Technology/Tools: JavaScript, P5.js, HTML, CSS, VS Code

Music Playlist using Java

- Developed a music playlist application backend using **List interface** of Java.
- Developed and implemented functionalities such as creating albums, creating playlists, addition of songs into albums ,adding and deleting songs from a playlist , running a playlist, replaying a song in playlist, skip forward to next song or backward to previous song in a playlist.
- Source code available at : [Music-Playlist-using-java](#)

Technology/Tools: Java, IntelliJ IDEA

Skills

Languages: Java, C

Developer Tools: IntelliJ IDEA, VS Code, SQLite, Azure DevOps Server, Git

Familiar With: JavaScript, SQL, Node.js, HTML, CSS