

# Sagnik Jana

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## EDUCATION

**Maulana Abul Kalam Azad University of Technology (Formerly WBUT)** Haringhata, West Bengal  
*Bachelor of Technology in Computer Science and Engineering | 9.56 CGPA (Up to 6th sem) Nov. 2020 – June 2024*

**Pathfinder Higher Secondary Public School** Kolkata, West Bengal  
*Class 12th | 87.00% Passing Year – 2020*

**Gyandeep Vidyapith** Egra, West Bengal  
*Class 10th | 95.57% Passing Year – 2018*

## RELEVANT COURSEWORK

- Data Structures and Algorithms | Design and Analysis of Algorithms | Object Oriented Programming
- Database Management Systems | Computer Networks | Operating Systems

## ACHIEVEMENTS

- Earned a Knight badge on LeetCode, i.e becoming a part of Top 4% out of 300k+ candidates.
- Solved 550+ problems on Leetcode (140+ easy, 350+ medium, 60+ hard).
- Achieved global ranking of 188 in Codechef February Cook-Off 2023 (Div 2) contest.
- Secured a spot among the top 15 participants in the TextBase Titans Hackathon.
- Achieved all India rank 214 out of 1 lakh+ participants in Codekaze-Sep'23.
- Achieved a 5 star rating in problem solving on HackerRank.
- Secured 513th rank in TCS CodeVita Round 2

## SKILLS

**Languages :** C++ (with STL), JavaScript, HTML, CSS, SQL, PHP

**Frameworks & Libraries :** Vue.js, Laravel

**Databases :** MySQL

**Problem Solving**

**Developer Tools :** Git, VS Code

## PROJECTS

**Task Scheduler** | HTML, CSS, JavaScript, Vue.js, PHP, Laravel, MySQL

[Source Code \(Front-end\)](#) | [Source Code \(Back-end\)](#)

- Developed a task scheduler web application using Vue.js for frontend, Laravel for backend, and MySQL for database management.
- Implemented functionalities for task creation, update, deletion, progress tracking, marking tasks as completed and sorting the tasks by priority, deadline etc.
- Implemented lazy loading to reduce the initial loading time.
- Implemented appropriate user authentication and authorization features to ensure secure access to the application.

**Job Portal** | HTML, CSS, PHP, Laravel, MySQL

[Source Code \(Front-end+Back-end\)](#)

- Developed a job portal, using Laravel for the backend, Laravel's Blade templating engine along with HTML and CSS for the frontend and MySQL for database management.
- Implemented features such as user authentication, job search functionality, job posting and application tracking within the web application.

## PAPERS

**Security in Cloud Computing Using Blockchain: a Comprehensive Survey**

[Publication Link](#)

- Conducted in-depth literature review on the intersection of cloud computing and blockchain technology.
- Presented this paper at the International Conference on Electrical and Electronics Engineering (ICEEE) 2023.

**A Blockchain-Based Approach to Improve Data Integrity in Cloud Computing Environment**

- Proposed an innovative solution to enhance data integrity in cloud computing using blockchain technology.
- Presented this paper at ICACIT 2023.