

Riya Arora

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TECHNICAL PROFICIENCY

- **Web Development** - HTML, CSS, React, Node.js, MongoDB
- **Languages** - Python, C/C++, Javascript, SQL
- **Subjects/ Electives** - Data Structures, Object Oriented Analysis and Design Using JAVA, Operating System, Algorithm and Problem Solving, Logical Reasoning and Inequalities, Software Engineering, Computer Networks, Open Source Software Development

PROJECTS

AUTOMATED WEATHER MONITORING SYSTEM

- Implementing an **automated weather monitoring** system at the **Vishnuprayag Hydro Electric Plant** to enhance operational **efficiency, safety,** and environmental **sustainability**.
- This system aims to address the **current shortcomings in weather monitoring infrastructure** by leveraging IoT technology, API integration, and advanced analytics to provide real-time and comprehensive weather intelligence. Built using **React.js, Node.js, Firebase**
- Components: **IOT sensors, API integration, Alert Mechanisms, Decision Support Dashboard.**
- **Live Project** between **Jaypee Universities** and **Jaypee Groups**

SADHANA: A Yoga Website

- The project envisions a **comprehensive, user-centric ecosystem** empowering individuals with knowledge and tools required to take control of their **health journey**.
- Creating an integrated online platform offering curated **plans** for **mental health** and **physical fitness** providing users with seamless, **technology driven solutions**. An inclusive space characterized by interactive features, progress tracking tools, and a supportive community.
- Features: **Random Quotes Generator, Chat Box, Guided Meditation Sessions with Proper Timetable**
- FRONTEND: **React.js** BACKEND: **Node.js, MongoDB**

KNIGHT'S Tour

- A knight in a **chess game** can move to any square on the standard 8x8 chess board, given enough turns its basic move is **two steps forward** and **one step sideways** depending on the direction it is moving.
- Outputting all squares the knight will stop on its way. **Concept: K-ARY Tree, OOPS**

EDUCATION

Jaypee Institute of Information Technology

B.Tech in Computer Science

- GPA: 7.4*

Noida, Uttar Pradesh

2021.08-Present

Gyan Bharati School

GRADE 12: 95.6

2020-2021

Gyan Bharati School

GRADE 10: 94.2

2018-2019

CERTIFICATIONS

- Data Structures and Algorithms *April, 2024*
- *Complete 2024 Web Development Bootcamp* *January, 2024*
- The Complete SQL Bootcamp *September, 2020*

ACHIEVEMENTS AND PARTICIPATION

- Member of Security Team for college's cultural fest CONVERGE 2023
- Member of Management Team for freshers event - EBULLIENCE'23
- Core Member of Jaypee Youth Club - Central Cell
- Volunteered for conducting inter-college Tech Hackathon - Innovate1.0