

SVADHA AGARWAL

University of Petroleum and Energy Studies Dehradun

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📍 Dehradun, Uttarakhand, India

Education

University of Petroleum and Energy Studies, Dehradun

Bachelor of Technology in Computer Science and Engineering

May 2024 – Present

CGPA: 7.45/10

Alwar Public School, Alwar

Intermediate in PCM

High School

Jun 2020 - May 2022

86%

93%

Technical Skills

Languages: C, C++, HTML, JavaScript, JAVA

Development: CSS

Database: MySQL, MongoDB

Developer tools: VScode, Git, GitHub

Data Structures and Algorithms

CS Fundamentals: Computer Networks, Operating System, DBMS, Object-oriented Programming

Projects

1. Expense-Calc | Applied basic HTML, CSS and JAVASCRIPT concepts. |

May 2024 - June 2024

- Successfully developed a **Web App** using **HTML**, **CSS**, and **JAVASCRIPT**, to establish a dynamic expense tracking platform.
- Achieved **real-time functionality** to enhance user engagement.
- Demonstrated **proficiency** in code organization and structure to ensure a seamless and efficient development process.
- The program prompts users to input their expenses, calculates the total, and displays the result, providing a streamlined solution for managing finances.
- **TechStack** : HTML, CSS, Javascript.

2. Lack of policies addressing overconsumption of Fast Food | Applied and learned about Automata Theory. |

Dec 2023 - May 2024

- Established a deep understanding of formal language and automata theory.
- Read numerous research papers to better apprehend the problem.
- Combined Finite State Machine and System Dynamics to resolve the ever growing problem.
- Derived an algorithm and generated a pseudocode for the above.

3. Services at Bay | Applied basic HTML, CSS and JAVASCRIPT concepts. |

March 2024 – April 2024

- Successfully developed a **Web App** using **HTML**, **CSS**, and **JAVASCRIPT**, to establish a dynamic house maintenance / services platform.
- Achieved **real-time functionality** to enhance user engagement
- Demonstrated **proficiency** in code organization and structure to ensure a seamless and efficient working between service providers and seekers.
- User-friendly platform designed to connect homeowners with reliable service providers for various household needs.
- **TechStack** : HTML, CSS, Javascript.

4. JioCloud Web Project | Deeper understanding of Cloud. |

July 2024 - July 2024

- Successfully completed my internship at Jio Platforms Ltd.
- Demonstrated **teamwork** in physical working environment and discipline to ensure a seamless and efficient working of the team.
- Under the guidance of Mr. Sachin Senger I studied the Jio Cloud in depth and tested it before it was launched.

5. Resource Scaling in Cloud using Monte Carlo Algorithm | JAVA concepts and Randomization Algorithms. | Currently Working

- Successfully identified the issue in traditional resource scaling methods in cloud environments
- Used pre-existing data sets from AWS due to complications in using real-time data.
- By integrating Monte Carlo simulations the generated data, the project offers a robust tool for enhancing resource management in cloud environment.

- User-friendly platform designed to reduce the costs by a huge margin.

Certifications

- AWS Academy Graduate - AWS Academy Introduction to Cloud Semester 1
- AWS Academy Graduate – AWS Academy Cloud Architecting
- AWS Academy Graduate - AWS Academy Introduction to Cloud Semester 2

Position Of Responsibility

- Serving as a Sub Lead (PR and event team) of UPES RRR community.
- Served as a Core Member in Avishkarnam Sponsorship team.
- Served as social media manager and web developer in SPECTRA NGO.

Leadership / Extracurricular

- National level debater and numerous Best Delegations in MUNs.
- Interactive and leadership skills.