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## CAREER OBJECTIVE

An enthusiastic individual with a good interest in computer science, seeking a responsible career in cloud computing and software development field.

## ACADEMIC BACKGROUND

Year	Qualification/ Degree	Board/University	Percentage
2020-2024	B. Tech in Computer Science Engineering- Specialization in Cloud Computing and Virtualization Technology	UPES- Dehradun, Uttarakhand	8.61
2019-2020	Class XII	CBSE	72.8%
2017-2018	Class X	ICSE	90.0%

<b>Subject Electives</b>	Major Specialization: - Cloud Computing and Virtualization Technology Minor Specialization: - Internet of Things Exploratory Course: - Business
<b>Technical Proficiency/Skills</b>	Java, C++, Python, DSA, OOPS, Docker, VMWare Workstation, AWS – Container Services, DBMS, Linux

## Summer Internship/Work Experience

### BMC Software – IZOT Celebrations Memory Wall

Developed a web platform to celebrate office event memories.

Tech Stack: **MEAN Stack** (MongoDB, Express.js, Angular, Node.js)

- Implemented **backend APIs using Node.js and Express.js** for efficient data handling.
- Created **user-friendly interfaces with Angular** for an intuitive user experience.
- Utilized **GitHub, Jira, and Agile methodologies (Scrum)** for effective teamwork and successful project delivery.
- Showcased **problem-solving skills and teamwork abilities** through design discussions and code reviews.

## Projects (Major/Minor)

### Minor Project II - <https://github.com/sanidhya-soni/Minor-Project-2>

2023

- **Microservice Bases SaaS Application for Unified Communication in Campus.**

#### About: -

To combine platforms such as WhatsApp, Outlook and File manager in a single web application and link the URL with the NFC in Student ID card.

#### Tech Stack: -

- **Containerized Backend** using **Docker, AWS ECS.**
- **Micro-Frontend** using **Single Spa**, hosted on **AWS S3.**
- **AWS DynamoDB** for Database.
- **Jenkins** Pipeline used to build and deploy the code on S3 using Poll SCM.
- All AWS Services used: - AWS ECS, S3, DynamoDB.

### Minor Project I - <https://github.com/sanidhya-soni/Minor-Project-1>

2022

- **Logistics and Space Optimization Strategies in Fresh Fruit Supply Chain.**

#### About: -

- **Optimized the inbound/outbound time** of stock in a fruit warehouse using **A\* Algorithm.**
- **Optimized the storage** of fruits in boxes using **Bin Packing Algorithm.**
- Rearranged the warehouse in such a fashion that old fruit gets sold first.

#### Tech Stack: -

- Java Programming Language.
- Data Structures: - LinkedList, Stack, 2D Array.
- Algorithms Used: - Bin Packing, A\* Algorithm.

### UPES CSA Hackathon 2.0 - <https://github.com/sanidhya-soni/Manas-Hackathon-2.0>

2023

- **Disease Prediction System by knowing the Symptoms.**

#### About: -

- **Flask Application** for disease prediction.
- **Containerized the application using Docker.**
- **Deployed same Docker Image on AWS ECS.**

#### Tech Stack Used: -

- HTML CSS for Frontend
- Python for Flask Backend
- Docker, AWS ECS, Jenkins

## Accomplishment and Recognition

- Actively took part in UPES CSA Hackathon 2.0 and made it till the final round.
- Took a session on Cloud Computing at UPES.
- Received Excellence Award in Academics at UPES.
- Vice President at Microsoft Technical Community UPES.
- Took a 2 months long Workshop on DSA in Summer Breaks – 2022.
- Did a Summer Social Work Internship at Saakshar Hum Charitable Trust – 2021.