

# Himanshu Sahu

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## EDUCATION

### Bachelor of Technology in Information Technology

Srinagar, J&K | Jun 2023

NATIONAL INSTITUTE OF TECHNOLOGY SRINAGAR

**Coursework:** Object-Oriented Programming, Data Structures and Algorithms; Operating Systems; Database Management System (DBMS); Discrete Mathematics

## PROJECTS

### MENTAL HEALTH MONITOR

PYTHON , OPENCV, TENSORFLOW, FLASK, JAVASCRIPT

- Developed a Python Flask-based system that combines Convolutional Neural Network (CNN) and OpenCV to detect signs of depression.
- Utilized emotion recognition and a series of questions to assess users' mental health status, providing valuable insights and potential early intervention.

### BLOG WEBSITE

JAVASCRIPT, CSS, NODE.JS, EXPRESS.JS ,EJS, MONGODB ATLAS

- Built a blog website using modern server-side JavaScript stack consisting of Node.js, Express.js, and EJS.
- Ensured data availability and security by using MongoDB Atlas as the cloud-based database service.

### NEWSLETTER WEBAPP

NODE.JS, EXPRESS.JS ,APIs, HTML

- a full-stack web application using Node.js, Express, and the Mailchimp API that allowed users to sign up for a newsletter.
- Securely collected and stored user data, making it easy to send targeted newsletters to subscribers.

### GOOGLE KEEP CLONE

REACT.JS, HTML,CSS, JAVASCRIPT

- Created a Google Keep app clone using React that allowed users to create, edit, and delete notes.
- Designed with an intuitive user interface and simple functionality for note-taking and organization.

### SORTING ALGORITHMS VISUALIZER

PYTHON, PYGAME, SORTING ALGORITHMS, 2D GRAPHICS

- an interactive application in Python that visualized sorting algorithms in 2D graphics.
- Included algorithms like merge sort, quick sort, and insertion sort with a simple user interface made in pygame library.

## ACCOMPLISHMENTS

- Ranked 83 globally in Codechef starters 88.
- Achieved a 3-star rating(Max 1656) on codechef.
- Solved 500+ coding problems on various platforms such as LeetCode, GeeksForGeeks, and CodeChef.
- Earned a Samurai Badge in Dynamic Programming, Graphs, and Tries on CodeStudios.

## CODING PROFILES

• LeetCode  • CodeChef  • CodeStudios  • GeeksForGeeks 

## SKILLS

**Languages:** C, C++, Python, JavaScript, SQL, HTML/CSS

**Frameworks/Databases:** Node.js, Express.js, EJS, MongoDB, React.js, Flask, RESTful APIs , MySQL

**Tools** Git & GitHub, VS Code, PostMan