Himanshu Sahu

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EDUCATION

National Institute of Technology Srinagar   Srinagar, India
Bachelor of Technology in Information Technology | GPA : 3.17/4   *Aug 2019 – June 2023*

Coursework: Data Structures, Algorithms, Operating Systems, Database Management Systems

PROJECTS

Load Balancer | *Python, Flask, Multithreading* | 🎧 GitHub | 🔗 Demo | Aug 2023 - Aug 2023
- Developed a load balancer project using **Python** and **Flask**, effectively **distributing** incoming client **requests** to different backend **servers** using **round-robin** algorithm.
- Utilized **multithreading** within the load balancer to create a software-based **multi-server architecture**.

Mental Health Monitor | *Python, Flask, TensorFlow* | 🎧 GitHub | Jan 2023 - Jun 2023
- 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 | *CSS, Node.js, MongoDB Atlas* | 🎧 GitHub | 🔗 Live | Jun 2022 - Jun 2022
- 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.

Twitter UI | *React.js, HTML,CSS, JavaScript* | 🎧 GitHub | 🔗 Live | Dec 2022 - Dec 2022
- Designed a **visually engaging** Twitter user interface using **Recat**
- implemented key features, including the **sidebar**, **feed**, and **widgets**, to provide an authentic user experience

TECHNICAL SKILLS

Languages: C, C++, Python, JavaScript, SQL, HTML/CSS
Frameworks/Databases: React, Node.js, MongoDB, Express.js, Flask, RESTful APIs, MySQL, JQuery, BootStrap
Tools: Git, GitHub, VS Code, PostMan

ACHIEVEMENTS

- **ranked 83 globally** in CodeChef Starters 88 **among 18,000+ participants**
- Achieved a 3-star **rating**(Max **1656**) on **codechef**
- **Solved 500+ coding problems** on various platforms such as LeetCode, GeeksForGeeks, and CodeChef

PROFILE LINKS

- Codechef ↗
- Leetcode ↗
- Codeforces ↗
- GeeksforGeeks ↗
- CodeStudios ↗

CERIFICATIONS

- Problem Solving(Intermediate) from HackerRank | Certificate