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🌐 https://shivam-chamoli.github.io/Portfolio-Website/

Shivam Chamoli
Electrical and Electronics Engineer

SUMMARY

I am a **'Developing Enthusiast'**. I specialize in providing innovative solutions to real-world problems using my technical and programming skills.

EDUCATION

B.Tech   Aug '18 - Present

National Institute of Technology Uttarakhand

Electrical and Electronics Engineering

CGPA- 8.55(Current)

Class 12th   Jul '15 - May '17

Kendriya Vidyalaya FRI

Percentage: 91.6%

KEY SKILLS

Web Development   Android App Development   Internet of Things   Java   JavaScript   Kotlin   SQL   PHP

C Programming   Arduino Programming   Linux (Ubuntu)   MERN Stack Development   Git Version Control

PERSONAL PROJECTS

SamWaad || Conversations That Matter   Jun '21 - Present

- A social media platform created using **MERN Web Development**.
- Front-end framework of the app created using **React framework**. The app works with a **MongoDB database** and its operations are done using **RESTful API,** created using **Node JS** and **Express JS** and hosted at **Heroku**.
- Self-debugged and improved performance of app by 15% -20% using Postman software.
- Source Code: https://github.com/Shivam-Chamoli/Social-Media-101
- API link: https://samwaad-rest-api.herokuapp.com/api/ || **Website link:** https://samwaad-react-app.web.app/

Relaying in Modern Power System   Jan '21 - Jul '21

- This project is based on creating a basic model of **relaying protection** in modern Smart Grid systems, via the **Internet of Things** implemented using **Arduino UNO** and **Node MCU.**
- The system is protected by tripping of the relay module connected to each circuit in case of overcurrent.
- Remote monitoring of the system is achieved by making **Firebase API calls**. Response/ fault detection time of system achieved **under 500ms.**
- Source Code: https://github.com/Shivam-Chamoli/Relaying-In-Modern-Power-System

WORK EXPERIENCE

Intern   May '20 - Jun '20

Larsen and Toubro Ltd.   New Delhi

- This internship was based on **networking architecture** and Database Management systems in the corporate organization.
- The internship provided me with exposure to the **Relation Database Management System (RDBMS), Enterprise Resource Planning (ERP)** and Data Centers. Click to view letter.

ACHIEVEMENTS

1. Top-Performer at Internshala's Android App Development Training (06/2020 - 09/2020).