SHIVAM CHAMOLI

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Portfolio: Portfolio || Shivam Chamoli (shivam-chamoli.github.io)

Hey there, I am a 'Developing Enthusiast' and I specialize in providing innovative solutions to real-world problems using my technical and programming skills. I am passionate about programming and developing exciting projects.

EDUCATION

08/2018 - CURRENT
B. TECH, NIT UTTARAKHAND
Electrical and Electronics Engineering
GPA: 8.54

07/2015 – 05/2017
CLASS 12TH, KENDRIYA VIDYALAYA F.R.I.
PERCENTAGE: 91.6%

SKILLS

- *Web Development (MERN stack, Next JS, PHP, MySQL)*
- *Android App Development*
- *JavaScript*
- *Java*
- *Linux (Ubuntu)*
- *DevOps (GitHub, Jenkins, Docker, Kubernetes, Ansible)*
- *Micro-controller Programming (Arduino IDE)*
- *C Programming*
- *Kotlin*
- *Internet of Things*

PROJECTS

1. **Samwaad || Conversations That Matter**
   - Created a social media platform using **MERN** stack. Developed a **REST API** for backend of the platform using **Node JS** and **Express**. The schema for the **No SQL (Mongo DB)** was created using **Mongoose**.
   - ***Improved the performance*** of frontend **React** app up to 40% by lazy loading components and optimized image loading time.
   - ***Self-debugged and improved consistency*** of app and API by 15% -20% using Postman software.
   - Enabled **continuous Integration** with git and **automated** test, build and deploy stages *using* **Jenkins.**
   - Source Code: **https://github.com/Shivam-Chamoli/Social-Media-101**
   - API link: **https://samwaad-rest-api.herokuapp.com/api/**
   - Website Link: **SamWaad || Conversations That Matter (samwaad-react-app.web.app)**
2. **Relaying in Modern Power System**
   - 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**

>>>Click To View My Other Projects<<<

WORK EXPERIENCE

MAY 2020 – JULY 2020
INTERN, LARSEN AND TOUBRO LTD

- 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.
- Suggested changes in the proposed data center hardware which **reduced costs and thermal output**.