

# Shivam Chamoli

Electrical and Electronics Engineer

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



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shivam-chamoli.github.io/Portfolio-Website/



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github.com/Shivam-Chamoli

## SKILLS

JAVA

KOTLIN

C

JavaScript

SQL

PHP

MATLAB

Arduino Programming

Full Stack Web Development

Android App Development

Internet of Things System Design

Linux (Ubuntu)

## LANGUAGES

English

Native or Bilingual Proficiency

Hindi

Native or Bilingual Proficiency

## EDUCATION

### B.Tech

National Institute of Technology Uttarakhand

08/2018 - Present

CGPA: 8.55 (Current)

Branch:

- Electrical and Electronics Engineering

### Class 12th

Kendriya Vidyalaya FRI

07/2015 - 05/2017

91.6%

Courses

- Physics, Chemistry, Mathematics, Biology and English

## PERSONAL PROJECTS

### 1. Relaying in Modern Power System (01/2021 - 07/2021)

- This project is based on creating a basic model of **relaying protection** in modern Smart Grid systems, via **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>

### 2. SamWaad || Conversations That Matter (06/2021 - 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 database operations are done using **RESTful API**.
- 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/>

## WORK EXPERIENCE

### Intern

Larson and Toubro Ltd.

05/2020 - 06/2020

Work From Home

Achievements/Tasks

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

## ACHIEVEMENTS

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