

KAUSHIK GUPTA

Singtam East Sikkim, India

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PROFILE

B.Tech Electronics and Communication student with experience in Python, hardware, embedded systems, and app development. Proficient in IoT and microcontrollers. Seeking to expand expertise in industry and professional role.

EDUCATION

National Institute of Technology Dec 2021 – present

- **Bachelor of Technology** - Electronics and Communication Engineering, CGPA: 6.28

Kendriya Vidyalaya July 2019 – May 2021

- Higher Senior Secondary, Science, Percentage: 69

Government Senior Secondary School Feb 2018 – May 2019

- Senior Secondary, Science, Percentage: 71.4

SKILLS AND INTERESTS

- **Languages** : C, Python
- **App Development** : React Native, Flutter
- **Hardware Development** : MATLAB, Arduino Uno, PCB Design using Altium, IOT Using ESP32 and ESP8266
- **Tech Stacks** : MySQL, React, Firebase
- **Areas of Interest** : Mobile and Web App Development, Machine Learning, Embedded Systems and IOT Development
- **Soft Skills** : Leadership, Management, Teamwork, Problem Solving, Analytical Skills, Adobe photoshop, Canva

EXPERIENCE

Embedded Systems and Hardware Intern, Uilatech LLP June 2024 – August 2024

- Engineered and secured ESP-NOW communication for ESP32 devices, enhancing automation.
- Developed a WLED usermod for smart home automation with seamless LED control via ESP-NOW.
- Integrated auto-connect functionality for uninterrupted device connectivity.

App Development Intern, Foxaisr Technology Dec 2023 – Feb 2024

- Developed a task management mobile app with efficient CRUD operations and an enhanced user interface.
- Collaborated on backend integration, boosting app performance and reliability.
- Conducted testing and debugging to ensure app stability and user satisfaction.
- Certificate

PROJECTS

- **Vehicle Classification** : Developed a machine learning model for vehicle classification, using shadow-based parameters.
- **Machine Failure Prediction** : Predict if the machine will fail tomorrow.
- **House-Price Prediction** : Predicts the price of house based on various factors.
- **Focus Time App** : Created Focus Time, a React Native app with a focus timer for managing and tracking tasks. .
- **Fitness Freak** : Created "Fitness Freak," a React Native app for personalized workouts and progress tracking. .
- **Task-Master** : Made a flutter based advance todo app having CRUD functionality for seamless file organising.
- **Anime-Vault** : Anime Vault, a Next.js powered website, meticulously curates a vast anime collection using the Anime API .
- **SmartCar Robot** : Smart car made using arduino and different sensors with 4 different smart operations.

AWARDS

- **Runner Up in Circuit Tinkering** :Anuvrat,Electronics club of NIT Sikkim
- **Winner of CSGO Esports** :Udgam Cultural Fest OF NIT Sikkim

LANGUAGES

- English|Hindi|Nepali|Bhojpuri

DECLARATION

- I hereby declare that all the above information is true to the best of my knowledge