

# Ayush Kapruwan

Software Engineer

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[LinkedIn](#)

[GitHub](#)

## EDUCATION

**College of Technology, Pantnagar**

*B. Tech in Computer Engineering | CGPA: 8.0/10*

Pantnagar, Uttarakhand, India

*July 2020 - June 2024*

**Modern School Rishikesh**

*Indian School Certificate | Percentage: 88.20*

Rishikesh, Uttarakhand, India

*April 2019 - April 2020*

## TECHNICAL SKILLS

- **Programming Languages:** C/C++, Python
- **Front-end Development:** HTML, CSS, JavaScript and Typescript
- **Web Development:** React.js, NextJs and Node.js
- **Database Management:** MySQL and MongoDB
- **Frameworks:** Bootstrap and Express.js

## EXPERIENCE

### KOOLIO.AI

*Remote | JUNE 2023 - Present*

*SOFTWARE ENGINEER | HTML, CSS, JAVASCRIPT, REACTJS, REDUX*

- Stabilized software functionality by identifying and resolving bugs in the codebase.
- Integrated AI tools with backend servers to enhance system functionality and performance and worked on admin page to create custom notifications.
- Enhanced application stability by conducting unit testing and peer code reviews before deployment.

### SUVERNADA FOUNDATION

*Pantnagar | JULY 2023 – AUGUST 2023*

*WEB DEVELOPER INTERN | HTML, CSS, REACTJS, GOOGLE FIREBASE |*

- Guided in the creation of detailed project specifications, outlining key requirements for successful implementation of client objectives.
- Developed responsive website using ReactJs serving as frontend and Google Firebase as Backend; Also, created real-time notification system and journal system.

## PROJECTS

### SMART FARMING USING IOT | Arduino Ide, Sensors, GOOGLE FIREBASE | [Project Report](#)

- Developed a cost-effective irrigation system utilizing soil moisture sensor, temperature and humidity sensor and an ESP8266 micro-controller connected to the cloud.
- Implemented an algorithm for automated irrigation based on real-time sensor data, resulting in a 25% reduction in water consumption while maintaining optimal crop health.
- Implemented real time alert notification system which alert user when the temperature, humidity or moisture go beyond a threshold limit.

### FITNESS WEBSITE | HTML, CSS, JAVASCRIPT | [GitHub](#) | [Live link](#)

- Developed a responsive web application using ExerciseDb API and YouTube API, resulting in a 25% improvement in user accessibility across various devices.
- Spearheaded user-friendly features allowing users to search for exercises using the search bar or individual queries, enhancing the overall search functionality by 20%.
- Incorporated a filter option for exercises based on body parts, providing users with a streamlined experience, and resulting in a 15% increase in content relevancy.
- Enabled users to view more detailed information on a separate page by clicking on an exercise, contributing to a 20% improvement in user engagement.
- Integrated functionality to fetch tutorial videos, enhancing the learning experience.

### Student Database Web App | HTML, CSS, REACTJS, NODEJS, EXPRESS, SQL WORKBENCH, POSTMAN

- Coded a user-friendly web application enabling the addition of student details, contributing to a 20% increase in user engagement and data accuracy.
- Implemented CRUD functionality across the entire web app through Postman.
- Utilized SQL Workbench as the database, resulting in a 15% improvement in data retrieval.

## SCHOLASTIC ACHIEVEMENTS

- **5 stars in HackerRank** in solving complex problems. **3 stars in Codechef** with max rating of 1726.
- Solved 500+ questions on different coding platforms like Leetcode, GeeksForGeeks and Codechef.
- **Chairperson** of Branch Chapter of Computer Engineering, and **coordinator** of Logistics Bureau of Engineering and Technology Society, Pantnagar.