Ayush Kapruwan
Associate Software Engineer

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EDUCATION

College of Technology, Pantnagar   Pantnagar, Uttarakhand, India
B. Tech in Computer Engineering | CGPA: 8.0/10   *July 2020 - June 2024*

Modern School Rishikesh   Rishikesh, Uttarakhand, India
Indian School Certificate | Percentage: 88.20   *April 2019 - April 2020*

TECHNICAL SKILLS

- **Programming Languages**: C/C++, Python, Java, C#
- **Front-end Development**: HTML, CSS, JavaScript and Typescript
- **Web Development**: React.js, NextJs and Node.js
- **Database Management**: MySQL, SQL 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. 4 **stars in *Codechef*** with max rating of 1826.
- 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.