

ROHIT KUMAR

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EDUCATION

Maharishi Markandeshwar University, Grade A++, Ambala, Haryana

2021 – 2025

B.Tech - Computer Science and Engineering

COURSEWORK / SKILLS

- | | | | |
|---------------------------------------|---------------------|-----------------|---------|
| • Data Structure and Algorithms (DSA) | • DBMS | • Oops Concepts | • C++ |
| | • Operating Systems | • Java Script | • React |

PROJECTS

(1). Project:- IoT-based BridgeGuard System

(2023)

Description:-

Developed an IoT system using load cells, Arduino, and servo motors for real-time bridge weight monitoring.

Key Contributions:-

- Integrated load cells and servo motors for accurate data collection and response.
- Programmed Arduino for data processing and triggering responses.
- Implemented IoT capabilities for remote monitoring and control.

Technologies Used:-

- Load Cells
- Arduino
- Servo Motors
- IoT Connectivity (i2c module)

Impact:-

- Enhanced bridge safety through real-time weight monitoring.
- Enabled cost-effective maintenance and repairs.
- Demonstrated scalability for future implementations.

(2). Project:- Mobile Fitness Application (in Progress) | Java, Android Studio

(2024)

Description:-

- Currently developing a mobile fitness application aimed at promoting healthy living and exercise.
- Implementing features for tracking workouts, setting fitness goals, and monitoring progress.
- Utilizing Java programming language and Android Studio IDE for Android app development.

Key Responsibilities and Achievements:-

- Designing user interface (UI) for intuitive navigation and engaging user experience.
- Integrating features for exercise tracking, including recording sets, reps, and duration.
- Implementing goal-setting functionality for users to establish personalized fitness objectives.
- Utilizing Android platform capabilities for real-time data tracking and visualization.

Technologies Used:-

- Java
- Android Studio
- XML for UI design
- Firebase for backend services (if applicable)
- Git for version control

Expected Impact:-

- Empowering users to lead healthier lifestyles through personalized fitness tracking.
- Providing a convenient platform for setting and achieving fitness goals.
- Enhancing user engagement and satisfaction through intuitive UI/UX design.

TECHNICAL SKILLS

Languages: C++, C, JavaScript, SQL

Technologies/Frameworks: HTML5, CSS3, React, Bootstrap, express, NodeJs, MongoDB

Developer Tools: VS Code, Android studio, Git and GitHub

Coding Platforms

- **Leetcode:** Solved **50+** Problems [↗](#)
- **Code studio:** 2 time's collage topper, 100+ solved [↗](#)

CERTIFICATIONS

- Python Programming-From Basics to Advanced level - Udemy
- Google cloud

EXTRACURRICULAR

- learning MEARN stack
- web development