

Himanshu Sharma

portfolio-himanshu309.vercel.app

Bachelor of Technology

Jaipur Engineering College and Research Centre

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GitHub Profile

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EDUCATION

•Bachelor of Technology in Computer Science and Engineering

2019-23

Jaipur Engineering College and Research Centre

CGPA: 8.2

PROJECTS

•Developed a custom object-relational mapping (ORM) library

08-2023

Developed a custom ORM library in C, streamlining database interactions and enhancing code maintainability

- Streamlined database interactions, improving data access efficiency.
- Leveraged best practices to enhance code maintainability and performance.
- Technology & concepts Used: **NET Core, Streams**

•Loan Management System (Freelancing)

12-2023

Developed a Mini Windows Application for managing Loan

- Hardware based Authentication in application.
- Modules Included: Customer Management, Loan Management, Partner Management System.
- Technology Used: **Flutter, Sqlite(DB)**

•Advance MAC based Security Utility for Web Application

08-2023

Created a MAC-based service ensuring that only approved applications can authenticate on the system.

- **MAC based service** for **web applications**, ensuring that only individuals on a predefined whitelist are permitted.
- minimizes the **risk** of unauthorized individuals gaining entry to the system.
- Technology Used: **C#, Window Service, HTTP**.

•Customized Chat Application

08-2023

Extended Application features with *Customized Chat based Feature*.

- Enabled users to engage in chat conversations specific to their loan accounts.
- Technology Used: **NET Core, Microsoft Signal R, Sockets, Angular**

•Backup Service for Database

07-2023

A windows based service to automatically create backups of databases and transfer them to target servers.

- Proficient in **creating automated services** that **regularly back up** databases.
- **securely transferring** backed-up data to target servers, guaranteeing data availability.
- Technology Used: **C#, Window Service, FTP, Streams**.

•Wrecks: A Vehicle Tracking System(Freelancing)

12-2022

A mobile app for *real-time vehicle tracking* and instant collision *detection* notifications, enhancing safety.

- mobile application for real-time vehicle tracking, enhancing fleet management and security.
- Collision detection feature with instant notifications, increasing safety and response capabilities for vehicle operators.
- Technology Used : **Flutter, Firebase, G-maps**.

•Lab Automation System

03-2022

An IoT system enabling remote control of power operations on public network.

- Internet of Things (IoT) solution to remotely control power devices, enabling convenient on/off functionality through the internet.
- A system that enhances energy efficiency and provides users with remote control over various power-consuming appliances.
- Technology Used : **HTML, CSS, MQTT Protocol, NodeMCU(ESP8266 based IC) module, Flask API, Mosquitto App** for broker.

•Minor Projects:

03-2024

Mini application for Invoice Management

- Created a desktop application using react and ElectronJS
- can easily manage invoices in database
- Technology Used : **ReactJS, ElectronJS**, better-sqlite3 for db.

EXPERIENCE

•Finnaux Tech Solution

01-2023-Currently

Software Developer

Offline

- Front End Development using HTML, CSS and **Next.js**.
- Developing Micro-services on server using **Nest.js and Express** .
- Writing Database logics in ORM.
- Collaborating with front-end developers to ensure **smooth data flow** and real-time updates.
- **Techs and Tools Used:** Nest.js, Next.js, ReactJS, PostgreSQL

•Persistent System (Training & Internship)

Jan 2023- July 2023

Software Developer

Online

- Learned the fundamentals of HTML,CSS,Bootstrap,Javascript.
- Learned the fundamentals of Java and Sql server.

TECHNICAL SKILLS AND INTERESTS

Languages: Java, Python, Javascript, HTML,CSS,C#, Dart

Web Dev Tools: Node.js,VScode, Git, Github

Frameworks: Flutter, Angular, .NET Core, NHibernate, ReactJS,NextJS, Nest.js

Cloud/Databases: Relational Database(mySql),MSSQL, PostgreSQL

Other Tools and Module:Arduino, L298N, NodeMCU, Bluetooth

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Networking.

Areas of Interest: Web Design and Development, Machine Learning(Learning).

Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability

HACKATHON AND EVENTS

• NASA Space App Challenge

2019

• Meshmerize (TECHFEST IIT Bombay 2019)

2019

POSITIONS OF RESPONSIBILITY

•Member of Technical Club: Xananoids- The Robotic People

2019-23

- Organised many Technical events like Robo-Soccer and Robo-Sumo war as a member(2023).
- Volunteer at Formul Zero(2022).