Raghav Patodiya

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EDUCATION

- **Manipal University Jaipur** — Rajasthan, India
  Bachelor of Technology - CSE; GPA: 8.81 (after 4 semesters) — 2020 - 2022

- **Cambridge Court High School** — Rajasthan, India
  High School(12th) - CBSE; Percentage : 91.2 — 2020

- **St. Anselms Pink City Sr. Sec. School** — Rajasthan, India
  Middle School(10th) - CBSE; Percentage : 91 — 2018

SKILLS

- **Languages**: HTML, CSS, Python, C++, JavaScript, SQL, JAVA, Golang
- **Tools**: PyCharm, Atom, GIT, PostgreSQL, PgAdmin, MySQL, PostmanAPI, SwaggerAPI, VS Code, CodeBlocks
- **Platforms**: Linux, Web, Windows
- **Soft Skills**: Leadership, Writing, Public Speaking, Time Management
- **Interests**: Basketball, Enjoys watching videos by Tech Influencers, Likes to play Call of Duty-Mobile

EXPERIENCE

- **Internship**
  Mabel - an online jewellery marketplace
  - Implemented backend for feed-service page by utilizing REST APIs in Golang adopting Gin Framework.
  - Used Swagger to describe the API's structure so that the machines can read them and used Postman tool for hosting and testing them
  - Constructed a database using PostgreSQL - PGadmin4 and used GORM (Golang Object Relational Model) to manipulate data from the relational database

PROJECTS

- **Coded Snake Game in Java** : Proficient in using Eclipse IDE. Used Java Swing and JPanel, and basic concepts of Object Oriented Programming in Java. Designed various modules of the game like Food, Snake, Graphics and Gameplay: all working seamlessly together. Used linked lists to implement snake's movement and size.
  Game functionality - The snake can move in any direction and when it eats the food, which is generated at random intervals, the length of snake increases. When the snake crosses itself, the game is over.

- **Website to recommend Best Gaming Peripherals** : Built a website about PC gaming and related peripherals, that recommends gamers top-rated, bang-for-buck gaming peripherals. Project included both front and back end web development. Used Atom (text-editor), Xampp (web server) and MySql (relational database management system).

- **Scientific Calculator**: Created a scientific calculator using C++ programming on Codeblocks IDE in 1st semester. The calculator performed all mathematical operations and also provided answers to basic integral and differential calculus.

COURSES AND CERTIFICATIONS

- **Courses**
  B-Tech
  - **Computer Science**: Object Oriented Programming, Computer Organization, Operating Systems, Relational Database Management Systems, Computer System Architecture, Data Communications, Data Structures and Algorithms, Fundamentals of Smart City
  - **Mathematics**: Engineering Mathematics, Probability and Statistics, Graph Theory, Introduction to Economics

- **HTML, CSS, JavaScript Essential Training**
  LinkedIn Learning
  - Learned Linking, Graphics, Forms, Media and Interactive Elements in HTML
  - Box Models, Typography, Layouts, Advanced Selectors CSS and creating fluid and responsive layouts
  - DOM (Document Object Model), Objects, Arrays, Functions and Methods, Events and learned about Troubleshooting and Validating JS in a browser

- **The Complete SQL Bootcamp 2022**
  Udemy
  - Learned SQL Fundamental statements: GROUP BY and JOINS and advanced SQL statements
  - Creating Databases and Tables, Conditional Expressions and Procedures

- **DFo Database Foundations Learner**
  Oracle
  - Relational Databases, Conceptual and physical data models, Entities and Attributes, Identifiers, Relationships and Entity Relationship Diagrams
  - Tracking Data changes, Normalization and Business Rules, Data Modelling, Terminology and Mapping.
  - Oracle SQL data Developer Model, converting Logical Model into Relational Model
  - Introduction to Oracle Application Express, SQL, DML, DDL, TCL and Running Queries