Raghav Patodiya

LinkedIN: Raghav Patodiya
Github: raghavpatodiya

Email: patodiyaraghav2002@gmail.com
Mobile: +91-8529488762

EDUCATION

- **Manipal University Jaipur** — Rajasthan, India
  Bachelor of Technology - CSE; GPA: 8.55 (after 5 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, Bootstrap, Javascript, React, NodeJS, MongoDB, Python, C++, SQL, Golang
- **Tools**: PyCharm, GIT, PostgreSQL, PgAdmin, MySQL, PostmanAPI, SwaggerAPI, VS Code, CodeBlocks
- **Platforms**: Windows, Linux, Web
- **Soft Skills**: Leadership, Writing, Public Speaking, Time Management
- **Interests**: Basketball, Enjoys watching videos by Tech Influencers, Likes to play Call of Duty-Mobile, Warzone 2

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

- **Codechef Committee Member - MUJ** : Codechef Rating - 1617

- **Credit Default Prediction**: Built a model to predict borrowers' likelihood to default on loan. Applied various machine learning algorithms including Logistic Regression, Random Forest, Gradient Boosting, XGBoost, Hybrid Models, and ANN, using Lending Club Dataset from Kaggle. Implemented feature engineering, principal component analysis, pipelining, and hyperparameter tuning to improve model performance to derive an Accuracy Score : .81

- **Keylogger Software**: Developed a keylogger tool in Python, which captures and logs user keystrokes, along with the name of the active window. Also built functionality to upload the data to Google Drive for remote access. Used the Pynput and Win32gui libraries, along with the Google Drive API for uploading data in real-time. Developed a user-friendly, stealthy, and secure keylogger, with applications such as monitoring employee productivity and parental control.

- **Student Performance Predictor**: Developed an interface that allows users to obtain predictions of subject marks based on their daily lifestyle. Built an End-to-End, Machine Learning model and interface using CI/CD pipelines and MLOps, trained on the "Students Performance in Exams" dataset from Kaggle.

- **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).

COURSES AND CERTIFICATIONS

- **Courses**
  B-Tech
  - **Computer Science**: Object Oriented Programming, Operating Systems, Relational Database Management Systems, Computer Architecture, Data Communications, Data Structures, Artificial Intelligence and Soft Computing, Computer Networks, Design and Analysis of Algorithm, Predictive Analysis, Automata Theory and Compiler Design
  - **Mathematics**: Engineering Mathematics, Probability and Statistics, Graph Theory, Introduction to Economics

- **The Complete 2023 Web Development Bootcamp**
  Udemy
  - Intermediate HTML and CSS, Bootstrap, Js and Jquery
  - Express with Node.Js, MongoDB, React and Web3

- **DFo Database Foundations Learner**
  Oracle
  - Relational Databases, Conceptual and physical data models, Entities and Attributes, Identifiers, and ERD's
  - 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