Raghav Patodiya

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EDUCATION

- **Manipal University Jaipur** — Rajasthan, India
  Bachelor of Technology - CSE; GPA: 8.55 (after 5 semesters) — 2020 - 2023
- **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 - June 2022 to August 2022**: 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 & used Postman tool for hosting & testing them
  - Constructed a database using PostgreSQL - PGadmin4 & used GORM to manipulate data from the relational database

- **Virtual Internship - May 2023 to July 2023**: Salesforce Developer
  - Gained expertise in Salesforce Fundamentals, Organizational Setup, and Relationship & Process Automation.
  - Attained proficiency in Apex testing and debugging,& setting up VS Code & CLI for efficient development workflows.
  - Mastered Lightning Web Components and API integration, primed for Salesforce development success.

- **Internship - Ongoing from June 2023**: St. Jose State University, California under Prof. Ms. Navrati Saxena
  - Greenhouse Effect prediction, utilizing Kaggle datasets and incorporating insights from relevant research papers.
  - Leveraging data analysis, actively developing predictive models for greenhouse gas emissions.

PROJECTS

- **Credit Default Prediction**: Built a model to predict borrowers' likelihood to default on loans. Applied various machine learning algorithms including Logistic Regression, Random Forest, Gradient Boosting, & Hybrid Models, on Lending Club Dataset from Kaggle. Implemented feature engineering, PCA, & hyperparameter tuning to improve model performance. Shape: {2260701, 151}, Accuracy Score: 0.81, Precision: 0.82, Recall: 0.98, F1 Score: 0.89.

- **Keylogger Software**: Developed a keylogger tool in Python, which captures & logs user keystrokes, along with the name of the active window, & time of usage. Also built functionality to upload the data to Google Drive for remote access. Used the Pynput & Win32gui libraries, along with the Google Drive API for uploading data to admin. Developed a user-friendly, stealthy, & secure keylogger, with applications such as monitoring employee productivity & 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 & interface using CI/CD pipelines & MLOps, trained on the "Students Performance in Exams" dataset from Kaggle.

- **Website to recommend Best Gaming Peripherals** : Developed a dynamic e-commerce website for PC gaming peripherals with login functionality. Integrated APIs from Amazon, Flipkart, etc to provide real-time product data for sorting & filtering. Implemented a secure login page, newsletter feature, & database management for personalized user experiences.

COURSES & CERTIFICATIONS

- **Courses - BTech**:
  Computer Science - OOPs, Operating Systems, RDBMS, Computer Architecture, DSA, Artificial Intelligence, Theory of Computation, Computer Networks, Software Eng., Data Science & Machine Learning, Predictive Analysis.
  Mathematics - Engineering Mathematics, Probability & Statistics, Graph Theory, Introduction to Economics

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

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