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[<https://github.com/Ritesh8107/Ritesh8107.git>]



Profile

Passionate and dedicated software developer with a strong foundation in Python and machine learning concepts. Numerical and Statistical libraries Expert in Using ML Libs i.e numpy and scikit-learn for data science solution. Coded numerous large-scale applications concerning data processing, algorithms testing and deployment of machine learning for application problem-solving. Actively seeking to be actively involved in a engaging intern project at Machine Learning Intern as applying the technical knowledge to projects with significance in the real society.

Technical Skills

- **Languages:** PHP (v7+), Python, Kotlin, Java, C++, Advanced C
- **Web Development:** HTML, CSS, JavaScript, React.js, React-Native, AngularJS
- **Frameworks & Libraries:** Laravel, Flutter
- **Database Management:** MySQL, MongoDB, SQL Server, Firebase
- **Tools & Technologies:** Git, AWS, PowerBI, Orange Data Mining Tool, Flask (Basic)
- **Concepts:** Object-Oriented Programming, Data Structures, Algorithms, RESTful API, Unit Testing, Machine Learning, Good Communication Skills.

Employment History

Python Developer

Requin IT Solutions, Jaipur

October 2024 – Present

- Designed and implemented Python-based software applications for adding functionality and increased efficiency.
- Worked collaboratively with cross-functional teams to implement and deliver innovative software solutions to address new opportunities and challenges.
- Code reviews: participated in code reviews to ensure top-notch quality of the code and, thereby ensuring effectiveness of performance among team members.
- This company kept up with the new up-to-date trends in the given industry and assimilated the new technologies into optimizing processes.

Python Developer Intern

Requin IT Solutions, Jaipur

April 2024 – September 2024

- Assisted in developing and maintaining Python applications with a focus on functionality.
- Conducted unit testing and participated in team discussions to define project requirements.

Education

B.Tech, Poornima College of Engineering (8.4 SGPA) | August 2021 – August 2025

12th, GR Global Academy (78%) | February 2020 – April 2021

10th, GR Global Academy (82%) | February 2018 – April 2019

Projects

Machine Learning project Using Python

- **Unsupervised learning of EEG data via classification:** Application of the K-means and DBSCAN algorithms on EEG time series data, with feature selection incorporated in the pipeline when handling unsupervised learning, as well as measuring model accuracy.
- **AR impacts Product Promotion:** Using AR in product promotion through a CNN model for facial key points detection that allows users to try on virtual products.
- **Tata Online Retail Dataset:** Processed and analyzed Tata dataset to understand customer buying behavior and preferences.

ReactJS Projects

- **Inventory Management System (ReactJS):** Scalable system created using the Laravel framework to track stock, manage suppliers, and include easy tracking of their operations. Implemented User authentication as well as role-based access controls for supervisors, staff, and suppliers.
- **E-Commerce Website:** Development of Strong E-commerce Website with Payment Integration by Integrating Product catalog, Search functionality cart, secure integration for payment via PayPal using Laravel.
- **Attendance Management System (ATS) (React-Native)**

Flutter Projects

- **Social Media App:** Developed application in cross-platform social media using Flutter support with real-time messaging and user interactions. Used Firebase for fluency on authentication and database management.
- **Health and Fitness Tracker App:** In this app, it has introduced a health tracking app which was developed using Flutter and enables users to log their workouts and track visual progress with defined goals. Firebase is used for data storage, push notifications, and for improvements in engagement.