Shivam Upadhyay

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Education

DR Vishwanath Karad MIT World Peace University Pune, India
B.tech of Computer Science Engineering *2021-Present*
- CGPA: 8.53

Internship

Software Intern at M3 Technology 07/2024 – 01/2025
- Developed responsive, user-friendly frontend interfaces for web projects.
- Built robust backend systems for scalable dynamic websites.
- Managed SQL databases and ensured seamless backend connectivity.
- Integrated third-party APIs like WhatsApp for enhanced functionality.
- Delivered efficient, client-specific web solutions with optimal performance.

Technical Skills

Web Development
- **Framework**: React.js, Express.js
- **Styling**: Tailwind CSS — Bootstrap — CSS
- **Languages**: HTML — Node.js — JavaScript

Programming
- C++ — Python — Automation and Robotics

DevOps
- **Version Control**: Git — GitHub

Projects

Examination 03/2023 – 05/2023
- Developed an active web application tailored for student engagement and assessment processes.
- Implement secure login and registration systems for both students and administrators.
- XAMPP server environment, SQL databases, and PHP scripting for efficient backend operations.
- Integrated grading and ranking seamlessly into the quiz module's user interface.
- Prioritized safety protocols and applied scalable architecture to support future expansion.
- HTML, CSS, JavaScript, SQL, PHP, Xampp for the connection of backend with Frontend

Customer Segmentation 08/2023 – 11/2023
- Collected and formatted a 2000 data point dataset with 8 features related to customer demographics.
- Performed data preprocessing steps and conducted exploratory data analysis using data visualization techniques.
- Applied Principal Component Analysis to reduce the dimensionality of the dataset.
- Experimented with 4 different clustering algorithms to find the best algorithm for the given dataset.
- Chose best suiting model which identified 7 customer clusters based on the similiarities in their features.
- Visualized the clusters and their characteristics using appropriate plots and charts.

Heart Risk Measure 01/2024 – 02/2024
- Acquired and preprocessed a dataset of 919 individuals for heart disease risk assessment.
- Ensuring data quality and consistency.
- Trained 10 machine learning models on processed data, optimizing parameters for enhanced predictive accuracy.
- Selected the model with the highest accuracy of 87.12 score for heart attack risk prediction.
- Executed user interface for inputting data and utilized chosen model to classify risk.

Workshop

Training Program in Robotics and Automation, NITTTR Bhopal (15 days) 04/2024 – 04/2024
- Acquired expertise in robotic systems, including robot jogging and path creation using RobotStudio 2020.
- Developed automation skills by designing and simulating ladder diagrams with Siemens TIA Portal V16.

Certificate

Foundation of Data Science By Google
C++ Certificate from My Captain
Robotics and Automation Lab Training at Dr. B. R. Ambedkar NITTR-Siemens Centre of Excellence