Swaraj Dudhe

Computer Science Engineer

My Contact

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https://github.com/swarajdudhe

https://swarajdudhe.github.io/my-portfolio/

Hard Skill

- Python
- OOPs - object oriented programming
- Python Libraries
- Machine Learning and Algorithms
- Data Visualization
- Feature Engineering and EDA
- SQL - Structured Query Language
- HTML, CSS, Flask
- Database - RDBMS
- SDLC and Agile Technology
- Git and Github

Internships

- Machine Learning And Intern
  PHN Technology, Pune *04/2023 - 06/2023*
- Human Resource and outreach intern
  Indian Centre for child and human rights
  11/2023 - Ongoing

Certifications

- IBM PY010EN Python For Data Science
  Cognitive classes, Dec 2020
- IBM ML0101EN ML with Python
  Cognitive classes, July 2023

Languages

- HIndi
- Marathi
- English

Education Background

- B.Tech Computer Science
  Dr. Babasaheb Technological University
  DT. 07/2020 - Present *CGPA : 8.93*
- Higher Secondary Education
  Sant Gadge Baba Amravati University
  DT. 2019 - 2020 *Marks : 61.08%*
- SSC- Secondary Education
  Sant Gadge Baba Amravati University
  DT. 2017 - 2018 *Marks : 91.20%*

Extra-curricular Activities

- Completed Citi ICG Technology Software Development Job Simulation Program on Forage - April 2024
  1. *Developed improvements for Citi's loan management system through a job simulation.*
  2. *Designed a UML state diagram for the loan management process.*
  3. *Researched machine learning systems for credit risk assessment, offering recommendations.*
  4. *Built a real-time stock market risk visualization tool*

Projects

- Diamond Security System *(Onging)*
  It utilizing advanced authentication techniques to differentiate between genuine and counterfeit diamonds. Integrated blockchain for secure data storage and transparency, reducing fraud risks. Additionally, designed a personalized recommendation system for tailored diamond suggestions, enhancing the customer experience in the jewelry industry.
- Underwater Target Detection *(Feb 2023)*
  Directed an underwater target detection project dedicated to identifying underwater rocks and mines during submarine operations. Utilized machine learning algorithms such as Random Forest, SVM, and ensemble methods, achieving a remarkable accuracy rate. Demonstrated expertise in deploying machine learning solutions for complex underwater security challenges.
- Multiple Disease Prediction *(July 2022)*
  Prediction of multiple diseases, includes diabetes, heart disease, chronic kidney disease, and cancer. By employing various classification algorithms such as KNN, SVM, Decision Tree, Random Forest, Logistic Regression, and Gaussian Naive Bayes, the study aims to determine the most accurate predictive model. Using diverse datasets for each disease, the ultimate goal is to create a user-friendly web application facilitating early detection and diagnosis, potentially saving lives at risk from untreated conditions.