

Soumya Pednekar

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EDUCATION

University of Maryland Baltimore County
Master's in information systems,
GPA: 3.65/4.00

Expected May 2025

University of Mumbai
Bachelor in Information Technology,
GPA: 3.76/4.00

May 2023

TECHNICAL SKILLS

Programming: C, C++, HTML, CSS, PHP/MYSQL, Python, JS, PL/SQL, Power BI, Django.

Software: Linux, Windows, WEKA, Microsoft apps.

PROJECTS

Diabetes Prediction System

March 2024

- Implemented the Support Vector Machine (SVM) model in Python for accurate diabetes prediction.
- Leveraged essential features such as glucose levels, blood pressure, and BMI to enhance prediction efficacy.
- Ensured overfitting prevention through meticulous model evaluation, yielding a training data accuracy score of 78.66% and a testing data accuracy score of 77.27%.
- Utilized the SVC algorithm to predict diabetes, ensuring robustness and reliability in the predictive model.

Online Shopping Database Systems (IS 620: Advance Database Project), UMBC

Oct 2023 - Dec 2023

- Coordinated task distribution within a 5-member team, assigning individual ownership of 2-3 tables each, resulting in the development of a streamlined and cohesive database system.
- Conceptualized and designed a robust ERD diagram for an online shopping database, optimizing data structure and interconnections for enhanced functionality.
- Engineered and implemented precise PL/SQL procedures and triggers, enabling staff to input data seamlessly and ensuring tables are promptly updated for real-time accuracy.

LEADERSHIP EXPERIENCE

Retriever Essentials

March 2024- May 2024

- Assisted in organizing and distributing essential food items and resources to students in need.
- Collaborated with fellow volunteers to plan and execute initiatives aimed at raising awareness and support for food insecurity issues on campus.

Student Council VSIT Mumbai

Public Relation Head

Jul 2021 - Apr 2022

- Successfully secured sponsorships from major companies, including Bank of India and BRB Popped Chips, totaling over \$700+.
- Played a key role in managing the finances of digital marketing, public relations, and logistics for various events.
- Demonstrated strong organizational skills by ensuring the daily preparation of items available for purchase met quality and quantity standards.
- Performed comprehensive market analysis to pinpoint potential influencers and artists for the inter-college festival, leading to securing renowned adjudicators, thereby elevating event participation by 30%.

RESEARCH

National Student Research Conference (3rd Position) Issued by Research and Development Committee of Vidyalankar VSIT, Mumbai Mar 2023.

Research paper titled "ChatGPT Opportunities and Challenges" presented in V-Search, a National Level Student Research Paper Conference on Technology, Innovation, and Management as Enablers for Sustainable Development, organized by the Research and Development Committee of Vidyalankar VSIT on 3rd March.

CERTIFICATION

- [Supervised Machine Learning: Regression and Classification \(DeepLearning.AI\)](#)
- Introduction to Programming using JavaScript (Microsoft 98-382:MTA)

March, 2024

October 2021