Sabhya Kulkarni

PERSONAL INFO

I am a passionate Computer Science enthusiast with expertise in R, Machine Learning, Prompt Engineering, Generative AI, Python, React, and MongoDB. With hands-on experience in developing innovative solutions, I have a strong track record of leading and contributing to projects that harness the power of AI and machine learning. I am dedicated to advancing the field of AI through research, development, and collaboration. A strong team player, I thrive in dynamic environments and am always eager to take on complex challenges.

CONTACT

- +91 9742007570
- sabhyakulkarni18@gmail.com

SKILLS

- Python,
- R
- JavaScript (React JS , Node JS)
- Machine Learning
- Basics of Neural Networks
- Data Analysis
- Exploratory Data Analysis (EDA)

EDUCATION

> *PES University, Bangalore, India* **current**
> *Bachelor of Engineering in Computer Science.*
>   - *Cumulative Cgpa: 7.88*

CERTIFICATION&AWARDS

> 2022: DAC Scholarship
>
> 2023: DAC Scholarship
>
> 2023: DAC Scholarship
>
> 2023: DAC Scholarship
>
> 2024: Certificate in Machine learning

PROJECTS

Diabetes Prediction using Machine Learning

- Developed a model using decision trees and basic neural networks to predict diabetes risk based on patient data.
- Implemented data preprocessing, feature selection, and model evaluation techniques to ensure accuracy.

TCP Port Scanner

- Built a TCP port scanner using circuit switching in Python.
- The tool scans for open ports on a given IP address and displays the status of each port.

.

Student Registration Website
- Developed a student registration system similar to the PESU website using React.js, Node.js, and MongoDB.
- Implemented secure authentication and data management features.

Simple Banking System
- Created a basic banking application using Python and the Tkinter library.
- The system allows users to credit, debit, and view their remaining balance with a user-friendly interface.

Text Editor using Linked Lists
- Designed and developed a basic text editor in C with features such as creating, displaying, appending, deleting, searching, undoing, and exiting.
- Implemented undo functionality using stacks, enabling users to revert or redo changes effectively.
- Maintained a linked list to represent the content of files, providing efficient text manipulation and storage.
- Provided a simple menu interface that allows users to create, modify, and delete files, with robust support for undo and redo actions.

Exploratory Data Analysis (EDA) in R
- Conducted EDA on various datasets to identify trends, patterns, and insights using R.
- Implemented data cleaning, visualization, and statistical analysis techniques.

PESU RESEARCH WEBSITE(CURRENT)
- Working on a research website for PES University .
- It will be used to apply for grants and see available patents ,research scholars etc.

INTERESTS
- R
- Machine Learning
- Prompt Engineering
- Generative AI / Explainable AI
- Natural Language Processing (NLP)

EXTRACURRICULAR ACTIVITIES

Club Head, Terpsichore (The Desi Dance Crew), PES University
- Lead and coordinate dance performances, workshops, and events, focusing on various Indian dance styles including Bollywood, Kannada, Malayalam, Tamil, and Telugu.

- Organize and participate in intercollegiate competitions, oversee auditions, and deliver performances in prominent university venues such as the quadrangle and during Maaya Fest.