HARIKA U

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EDUCATION

Bachelor of Computer Science and Engineering, SRM University, **GPA: 9.88/10**   July 2022 - Present
Relevant Coursework: Data Structures and Algorithms, Operating Systems, Object Oriented Design and Programming, Programming for Problem Solving, Design and Analysis Of Algorithms, Database Management Systems, Computer Networks, Machine Learning.

SKILLS

Languages :	C/C++, Python, Java, HTML/CSS, JavaScript, SQL
Databases & Tools :	MySQL, SQL Server, Git, GitHub, Machine Learning
Core Competencies :	Leadership, Problem Solving, Team leader, Community Management

PROJECTS

Snake Game (Try it here)
- Designed and programmed fully functional Snake Game in **JavaScript**. Implemented intuitive controls for engaging user experience, allowing easy navigation of the snake using arrow keys.

Diabetic Prediction Model Using Machine Learning (Try it here)
- Implemented **SVM algorithm** for diabetes prediction model achieving 85% precision rate. Utilized dataset including pregnancies, glucose levels, blood pressure, skin thickness, insulin levels, BMI, diabetes pedigree function, and age for comprehensive feature coverage.

Password Generator (Try it here)
- Created efficient password generation algorithm using **HTML, CSS, JavaScript**. Generates strong, secure passwords with **customizable options** (length, characters). Prioritized user preferences for individualized experience.

Machine Learning Web App (Try it here)
- This innovative healthcare application leverages machine learning techniques, specifically **Support Vector Machines (SVMs) and Logistic Regression**, to predict the likelihood of **diabetes, heart disease, and Parkinson's disease**. The system offers an intuitive interface for users to input their health parameters, ensuring a user-centric experience.

Portfolio Website (Try it here)
- Crafted **user-friendly, visually appealing** portfolio showcasing technical skills, personality, and achievements with clean, modern design. Ensured **responsiveness** for positive visitor experience across devices.

HONORS & AWARDS

- Attained **First Rank** and received a **Certificate of Excellence** and an Award for achieving a **CGPA of 10.0** during the first year of B.Tech, demonstrating exceptional academic performance, and inclusion in the **Dean's Merit List**.
- Earned accolades in high school competitive exams, including a **Gold Medal** in SIPHO and UCO, a **Silver Medal** in NSO and SICHO, and a **Bronze Medal** in IMO and UIEO, showcasing excellence in problem-solving and subject knowledge.

EXPERIENCE

MIT Square Services Private Limited Internship   Oct 2023 - Jan 2024

- Developed a Disease Prediction System using Machine Learning in collaboration with the **University of Ilorin, Nigeria**. Created a user-friendly web app with Streamlit, enabling predictions for diseases such as **Diabetes, Heart Disease, and Parkinson's** based on health parameters and clinical data. Additionally, we filed a patent with the **Government of India** for this innovative healthcare solution.

Former Technical Team Member, CodeChef SRM Club   Nov 2022 - June 2024

- Collaborated with a team to develop a shoe store website, contributing to the project's design and functionality. Organized and attended workshops, sharing insights with over 100 attendees on emerging development topics.