

# HARIKA U

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## EDUCATION

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**Bachelor of Computer Science and Engineering**, SRM University, **GPA: 9.83/10** 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, Internet of things

## SKILLS

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

## PROJECTS

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### Snake Game ([Try it here](#))

- Developed and programmed a fully functional Snake Game using **JavaScript**, providing users with an engaging gaming experience.
- Implemented intuitive controls utilizing arrow keys (Up, Down, Left, Right), allowing players to easily navigate the snake on the game board.

### To-Do List Web Application ([Try it here](#))

- Developed and implemented a user-friendly interface for the to-do list web application, resulting in a 20% increase in user engagement and task completion rates.
- Implemented '**Persistent Storage**' functionality, ensuring secure retention of user data, including tasks and their details, across sessions, Features: Add Tasks, Check Off Tasks, Delete Tasks, Persistent Storage

### Diabetic Prediction Model Using Machine Learning ([Try it here](#))

- Implemented the **Support Vector Machine (SVM) algorithm** to develop a diabetes prediction model, accurately classifying individuals as diabetic or non-diabetic with a precision rate of 85%.
- Trained the model using a dataset containing information on pregnancies, glucose levels, blood pressure, skin thickness, insulin levels, BMI, diabetes pedigree function, and age to ensure comprehensive coverage of health-related features.

### Password Generator ([Try it here](#))

- Developed a highly efficient password generation algorithm using **HTML, CSS, and JavaScript**, resulting in the creation of strong and secure passwords for users.
- Implemented customizable options such as password length and inclusion/exclusion of lowercase letters, uppercase letters, numbers, and symbols, excluding duplicate characters and including spaces to cater to individual user preferences.

### Machine Learning Web App ([Try it here](#))

- The Multiple Disease Prediction System Using Machine Learning is an innovative and user-centric healthcare application designed to assist individuals in assessing their risk for prevalent medical conditions. Leveraging the power of machine learning, this application offers predictions for multiple diseases, including **diabetes, heart disease, and Parkinson's disease**, based on individual health parameters and clinical data.
- 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](#))

- In crafting this portfolio, my goal was to create a **user-friendly, visually appealing, and informative platform** that not only showcases my technical skills but also provides a glimpse into my personality and achievements. The design is clean, modern, and **responsive**, ensuring a positive experience for visitors across different devices. I aimed to craft a personalized and professional space that not only reflects my identity but also effectively communicates my skills and achievements.

## HONORS & AWARDS

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- 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 SICHIO, and a **Bronze Medal** in IMO and UIEO, showcasing excellence in problem-solving and subject knowledge.

## LEADERSHIP

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- A community team member for **CodeChef SRM Chapter**, Collaborated with a team of fellow members to develop a shoe store website. Attended and organized workshops and seminars on emerging development topics, sharing knowledge and insights with over 100 attendees.