

HARIKA U

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EDUCATION

Bachelor of Computer Science and Engineering, SRM University, **GPA: 9.90 /10** July 2022 - May 2026

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

CalConnect ([Try it here](#))

- Developed a full-stack Google Calendar App using **React.js**, **Node.js**, and **Express.js**, integrating **Google OAuth 2.0** for secure authentication and the **Google Calendar API** to fetch and display user events.
- Implemented login via **Google**, **events retrieval**, and **date-based filtering of events**, improving user experience by allowing access to user's events.

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.

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.