

Shwetha Sivakumar

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OBJECTIVE I am a Bachelor of Technology Under-graduate with a strong interest in Data Science, Machine Learning, Cloud Computing, and Front-End Development. I have hands-on experience with tools like Python, SQL, and cloud platforms such as AWS. I also enjoy building dynamic web applications using HTML, CSS and JavaScript. I'm passionate about using my skills to solve real-world problems and continuously learning new technologies.

EDUCATION **Bachelor of Technology, Expected Graduation: September 2027**
Computer Science and Engineering, Amrita Vishwa Vidyapeetham, Chennai, India

Bachelor of Science in Data Science and Programming, Graduated: 2027
Indian Institute of Technology, Chennai, India

Secondary and High Schooling, Graduated: June 2023
Sri Chaitanya Techno School, Chennai, India

TECHNOLOGY SKILLS *Operating Systems:* Windows, Ubuntu(Linux)
Skills: Python,Java,SQL,C,AWS,HTML,CSS

PROJECTS

1. Diabetes Prediction using ML
 - Used **Google Colab** for model development and testing.
 - Applied the **Logistic Regression** model to predict diabetes.
 - Worked with the **Pima Indians Diabetes Database** containing features like age, BMI, blood pressure, and insulin levels.
 - Preprocessed the data to handle missing values and normalize features.
 - Evaluated model performance using metrics like accuracy and precision.
2. House loan Analysis using ML
 - Used **Google Colab** for model development and testing.
 - Applied the **RGBRegressor** model to predict diabetes.
 - Used a dataset containing applicant information such as age, income, education, loan amount, credit history, and more.
 - Preprocessed the data to handle missing values and normalize features.
 - Evaluated models using performance metrics like accuracy, precision, recall, and F1-score to identify the best model for loan prediction.

EXTRA-CURRICULAR ACTIVITIES Chess,Rubix Cube,Badminton,Reading Books