# K S H V SAI HARI KRISHNA

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## Profile:

As a focused and ambitious computer science student at v.i.t-ap college specializing in ai and machine learning, I am poised to make a significant impact. Anticipating graduation in 2025, my unwavering dedication to learning and problem-solving propels me towards excellence. Proficient in python, SQL, and java, I possess a robust skill set ready for real-world application.

## Technical skills:

1. Programming Languages:

   Python, Java, JavaScript, SQL

2. Web Development:

   HTML&CSS, Flask (Backend)

3. Data Analysis and Machine Learning:

   NumPy, Pandas, ScikitLearn, TensorFlow, PyTorch, Keras

4. Database Management:

   MySQL

5. Cloud Services:

   Amazon Web Services (AWS)

6. Version Control:

   GitHub

## Experience:

Artificial Intelligence and Machine Learning Extern | SmartInternz | Aug 21, 2023 Nov 21, 2023

Project: [Mental Health Prediction System-](Mental Health Prediction System-)

Developed a Mental Health Prediction System utilizing classification algorithms such as Logistic Regression, KNN, Decision Tree, Random Forest, AdaBoost, Gradient Boost, and XGBoost. Oversaw all project phases, encompassing data preprocessing, model training, and local deployment through Flask. Advanced organizational wellness goals by crafting an early intervention tool, thus fostering mental health awareness.

Autonomous Human-Following Robot Development with Arduino and Sensor Integration

The human-following robot, with four wheels and motors, uses an ultrasonic sensor and two IR sensors. When an object is near the ultrasonic sensor, the Arduino signals the motor driver to move the robot forward. IR sensors facilitate turns based on object proximity.

Deep Learning Model for Precise Melanoma Prediction

Developed a deep learning model for melanoma skin cancer prediction. Utilized extensive datasets for training and validation. Achieved high accuracy in distinguishing melanoma from benign skin lesions. The model employs convolutional neural networks to analyze skin images.

## Certifications:

1. [Artificial Intelligence and Machine Learning Extern certificate](Artificial Intelligence and Machine Learning Extern certificate)

## Education:

Vellore Institute of Technology-A. P (2021-25)

B. Tech in C.S.E with AI&ML specialization