V V V N Uday Aditya

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GitHub | **Linkedin**

EDUCATION

Amrita Vishwa Vidyapeetham   Chennai, Tamil Nadu

Computer Science with Artificial Intelligence Bachelor of Technology   October / 2022 - Current

SKILLS

Programming Languages:	Python, C, HTML, CSS, Java, Data Structures and Algorithms, Machine Learning
Libraries/Frameworks:	Java Script

PROJECTS / OPEN-SOURCE

Scratch, MATLAB

Robotics relies heavily on linear algebra for spatial manipulation among other things. For beginners, Scratch
simplifies ideas while MATLAB assists more experienced programmers by offering powerful features that are
useful in kinematics and sensor fusion

| **Link**   *Python*

For the purpose of image encryption and decryption using SHA-256, in Python language, this algorithm is
used for generating a key. The security of transmission and storage of images is accounted for through
employment of AES approach alongside this secret code which also contributes towards enhancing integrity
and privacy of data. streamlined processes, consolidated systems, or mined a previously untapped sector of
the market.

| **Link**   *Python*

In Python, vehicle anomaly detection employs machine learning alongside temperature, sound, and vibration
sensors to extract engine data. This multi-sensor approach enhances anomaly detection accuracy, enabling
early identification of potential issues for predictive maintenance and improved vehicle performance.

HTML, CSS, Javascrip

The web application, built with HTML, CSS, and JavaScript, features an interactive India map displaying each
state's blood donation contact information. For each state and blood group, five contact details are provided,
facilitating efficient access to blood donation services nationwide.

| **Link**   *Python, HTML, CSS, Javascript*

In Chronic Kidney Disease prediction using Explainable AI and machine learning, simulated data includes
various factors such as activity level, smoking habits, eGFR (estimated glomerular filtration rate), and more.
This approach enables interpretable insights into the prediction process, aiding in understanding the
influence of different factors on the risk of developing chronic kidney disease.

| **Link**   *Python, HTMLS, CSS, JavaScript, Webots.*

Integrated Healthcare Robotics combines Voice AI, Chatbot-3.5, and OP Booking Solutions using Python,
HTML, CSS, JavaScript, and Webots. This comprehensive system facilitates seamless patient interaction,
appointment scheduling, and robotic assistance, enhancing efficiency and patient care in healthcare settings.

C

Smart Home Luminance is an IoT project utilizing sensors to automate light control, toggling lights on and
off based on ambient luminance levels. Additionally, a Bluetooth-enabled mobile application provides remote
control functionality, offering convenient light management from anywhere within the home.

Python, Explainable artificial intelligence.
Disease prediction enhanced with machine learning in Python involves developing algorithms to analyze
medical data and predict the likelihood of various diseases. By leveraging machine learning techniques, such
as classification algorithms, this approach enables early detection and personalized risk assessment,
contributing to proactive healthcare management.

CERTIFICATIONS

- Career Essentials in Generative AI by Microsoft and LinkedIn - **LinkedIn learning, Microsoft.**
- Introduction to Artificial Intelligence - LinkedIn learning.
- Artificial Intelligence Fundamentals - **IBM - SkillsBuild**
- Python Essentials 1 - **Cisco**
- Python Language - GUVI, Google for Education Partner..
- Cybersecurity Fundamentals - **IBM SkillsBuild**

HONORS & AWARDS

- 3rd Prize at Tantrotsav by Amrita Vishwa Vidyapeetham
- Designer Head, TRINETRA & PHOTOGRAPHY Club Selected to lead and manage design initiatives for college events and photography exhibitions.
- Cultural Head, Anandhamayi House - Appointed to organize and lead cultural activities and events, representing the house at intra-college competitions.