Venu Pulagam

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3rd Year (B.Tech)
Artificial Intelligence Engineering
Amrita Vishwa Vidyapeetham
Current CGPA: 8.06

Skills

OS
Ubuntu/Linux, Windows

LANGUAGES
Java, Python, C/C++
HTML, Scala, Matlab

TECH STACK
Machine Learning, Deep Learning, Transfer Learning, LLMs, SpotiPy, Apache Spark, Tkinter, OOP, Boto3, Youtube V3, FlutterFlow.

DATABASES
MySQL, NoSQL, MongoDB

OTHERS
Markdown, Git,
Scratch, PicsArt
Adobe Illustrator, PhotoShop

Coursework

Data Structures and Algorithms
Deep Learning
Signal and Speech Processing
Neural Networks
Discrete Mathematics
Operating Systems
Computer Networks
Data Analytics
Database Management
Artificial Intelligence
Machine Learning

Education

B.Tech. in CSE-AI *2021-2025*
Amrita Vishwa Vidyapeetham,
Coimbatore, Tamil Nadu
Current CGPA : 8.06

Intermediate *2021-2019*
Tirumala Junior College,
Rajahmundry, Andhra Pradesh
Percentage: 98.5%

High School *2018-2019*
Dr. KKR'S Gowtham Concept School,
Rajahmundry, Andhra Pradesh
CGPA: 10.0

Projects

HiSt-Hide Stuff *(Cloud based password manager and data vault)*
Secure password manager and data vault using AES encryption, with user data stored securely on Amazon AWS. Both GUI and CLI options ensure a seamless, user-friendly experience.
Python, Boto3, Numpy, Tkinter, Keyboard

Automated Attendance and Analysis on Campus Data *(BDMS)*
Analyzed public campus data on Kaggle, using BDMS and MySQL for storage, and Spark for operations. Developed an automated attendance system with deep learning techniques in Python.
Scala, Apache Spark, Python, MySQL, CV2

Heart Disease Prediction using ML *(Custom built models)*
Used SVR, KNN, and LR in machine learning to predict heart disease.
Developed each model from scratch for a comprehensive understanding.
Conducted comparative analysis with built-in models, yielding aligned results.
Python, Pandas, Numpy, Matplotlib, Sklearn

P.O.C.O.R *(Robot simulation)*
Path following Object carrying Camera featured Obstacle avoiding Robot is a virtually designed robot prototype. For the visualisation and modelling the usage of Gazebo and ROS2 has been made.
ROS2, Gazebo, Linux, C++, Python

Switchify *(Website development and deployment)*
A user-friendly website that effectively transfers a Spotify playlist to YouTube Music is Switchify. It ensures complete safety by not storing any data from end-users. Uses python as backend.
Spotipy, Python, Youtube V3, HTML, CSS

Publications

Mar - 2024 **Precision Healthcare Analytics: A Machine Learning Approach for Efficient Length of Stay Estimation in Acute Malnutrition Patients in Mali**

Additional Engagements

Apr - 2024	**Directed a Short film, Anokha Techfest**	**Participated**
Mar - 2023	**Directed a Short film, Anokha Techfest**	**Participated**
Aug - 2023	**Led the Gokulashtami banner team.**	**Award for Best Props**

About me

Hobbies : Film-making, Editing, Poster design, Listening to music, Watching films, Writing scripts, Programming.

Languages : Telugu (mother tongue), English, Hindi

Skills : Team building, Conflict resolution, Flexibility, Active listening, Efficient task execution, Multitasking, Problem solving,