

SHIVAM ARALIKATTI

Electronics and Communication Engineer

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SKILLS

Machine Learning & Data Science:

ML Algorithms and Libraires
Data Analysis Statistical Data Analysis
Pivot Table Looker(Software).
Computer Vision(Open CV). Power BI
Natural Language Processing

Web Development:

Frontend (HTML , CSS , JS).
Backend (SQL).

Programming Languages:

Python C(Embedded C). C++
(Arduino). R MySQL

Others:

Microsoft Office Suite Bootstrap
GitHub Actions AWS ML Ops

CERTIFICATIONS

AI Analyst, IBM
SQL (Advanced), HackerRank

VOLUNTEERING

Documentation Head ASHRAE

As Documentation Head on the ASHRAE's BOD at VIT, I effectively managed documentation responsibilities, ensuring accurate records and contributing to the chapter's operational efficiency. Strengthened leadership and organizational skills while supporting ASHRAE's mission in advancing HVAC&R systems design and construction.

LANGUAGES

English	Proficient
Hindi	Proficient
Kannada	Proficient
Marathi	Intermediate

SUMMARY

Dedicated ECE engineer specializing in Python programming, machine learning, and deep learning techniques. Proficient in harnessing data-driven insights to develop innovative solutions. Additionally, skilled in utilizing Microsoft Office Suite for efficient documentation and communication.

EDUCATION

B.Tech - Electronics and Communication	2020-2024
Vellore Institute of Technology, Vellore	
Class 12th	2019-2020
KLE Independent PU College, Belgaum	
Class 10th	2017-2018
Sri Siddhivinayaka Residential School, Kundapura	

EXPERIENCE

Apprenticeship Trainee	07/2023
National University of Singapore, Singapore	
Developed a CNN based model for Deep Learning and integrated it in a website along with a chatbot for help and support. Designed and trained multi-layer perceptron and LSTM models with Python, resulting in significant enhancements in the product's accuracy and response time. NLP, ML/DL, Data mining, Generative adversarial networks, N-gram model, and Python programming.	

PROJECTS

Sentiment Shaper	10/2023
https://github.com/ShivamAralikatti/Sentiment_Shaper	
Executed sentiment analysis through the implementation of Keras library and datasets by machine learning techniques. Created a model to assess and comprehend sentiment in text data, contributing to enhanced understanding of user opinions and feedback.	
Pose Perfect	07/2023
https://github.com/ShivamAralikatti/Pose-Perfect	
This project employs PoseNet, a pretrained CNN model for Pose estimation and correction of abnormalities of poses of the user. This model was then integrated in a self developed website along with a python based Chatbot for Help and Support.	

Automatic Room Lighting System using 8051 Microcontroller

08/2022
https://github.com/ShivamAralikatti/Automatic-Room-Lighting-System-using-8051-Microcontroller

This 8051 Microcontroller-based project uses Infrared sensors to create an energy efficient room lighting system. It detects human movement, automatically turning lights on or off. Simultaneously, it serves as a bidirectional visitor counter, keeping track of individuals entering and leaving the room.