ASHVADHARSHINI S

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PROFILE

AI Enthusiastic and dedicated individual poised to contribute fresh perspectives and a strong work ethic to achieve organizational goals, driven by a commitment to continuous improvement and striving to exceed expectations.

EDUCATION

M.Sc Artificial Intelligence and Machine Learning(Integrated),   2020 – present
Coimbatore Institute of Technology   CGPA- 8.7 (Till 9th sem)

PROFESSIONAL EXPERIENCE

Backend Developer Intern, *Shaachi, California USA*   12/2023 – 03/2024
Sequence Automation
- Implemented email automation with cron jobs for sending and monitoring replies.
- Developed personalized email responses using OpenAI fine-tuning and integrated with Gmail API.
- Managed Elastic Beanstalk setup and SQS queue creation.

Software Engineer Intern, *Shaachi, California USA* 🔗   06/2023 – 11/2023
OpenAI - Powered Automated CRM
- Automated CRM systems (Hubspot, Zoho CRM) via webhooks and AWS services (Gateway, Lambda, Step Functions, SQS, S3, DynamoDB, CloudWatch).
- Built private applications for smooth frontend-backend integration with secure authentication using access tokens.
- Improved CRM personalization through fine-tuning OpenAI's GPT model.

PROJECTS

AGE AND GENDER PREDICTION FROM VOICES, *ML, Python, SVM* 🔗
This project demonstrates applications of predictive model (SVM) enhanced with the Random Grid method, including speech recognition and personalized services. Achieved a remarkable accuracy of 92% on test data.

SIGN LANGUAGE DETECTION USING DEEP LEARNING, *CNN, CV, Heroku, Streamlit*
In collaboration with DeepVisionTech.AI 🔗 . Designed a web application to detect the sign of action. Aimed to assist hearing impaired people.

EARLY BREAST CANCER DETECTION USING ANN AND CNN, *ML, ANN, CNN, TensorFlow, Streamlit* 🔗
Employed advanced image preprocessing and built ANN/CNN models using TensorFlow/Keras for breast cancer classification. Integrated transfer learning from LeNet and deployed models via Streamlit for intuitive user interaction.

STOCKS ANALYSIS AND PREDICTION USING POWERBI, *Python, PowerBI, ML, Excel* 🔗
Stocks analysis using financial statistics web scraped from Market watch for 500 stocks and price prediction using 4 different machine learning algorithms. Also created an innovative interactive dashboard using POWER BI which can be used for value analysis.

SKILLS

Languages
- Python
- C++
- SQL

Data Techinques
- Data Cleaning
- EDA
- Data Visualisation
- Supervised and Unsupervised learning

Tools and Others
- AWS Services
- Postman
- Git
- OpenCV
- NLP

AREA OF INTEREST

Machine Learning | Deep Learning | DBMS | Data Analytics | NLP | Image Processing | Generative AI | LLM

PUBLICATIONS

A Survey on Artificial Neural Networks in Early Detection of Breast Cancer,
2nd Virtual National Conference on Mathematical Modelling and Computation, 2022

CERTIFICATES

Introduction to ML - 2021 🔗
Coursera, Duke university

Mastering JavaScript and jQuery Course Beginners to Advanced 🔗
Udemy

AI for Assistive Technology 🔗
DeepVision Tech.AI