Dharanidhara Chowdary Tammina

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SUMMARY

Passionate tech enthusiast with experience in Web development and Machine Learning. Committed to continuous learning and making impactful contributions in the tech industry.

EDUCATION

Sreenidhi Institute of Science and Technology   Hyderabad, Telangana
Bachelor of Technology in Computer Science - IoT   *Dec 2021 – Present*

Sri Chaitanya   Hyderabad, Telangana
Class XII   *2021*

Sanghamitra School   Hyderabad, Telangana
Class X   *2019*

EXPERIENCE

Project Intern   May 2024 - June 2024
INCOIS - Indian National Centre for Ocean Information Services   *Hyderabad, Telangana*

- Analyzed and implemented downscaling methods using Python and Kalpana for high-resolution flood mapping.
- Utilized Docker and Miniconda for environment setup and deployment.
- Processed and analyzed ADCIRC model outputs and land cover data using GRASS GIS.
- Conducted comparative analysis of static and head loss downscaling methods to improve flood prediction accuracy.

AI-ML Virtual Internship   April 2024 -June 2024
Google - India Edu Program   *Remote*

Android Developer Virtual Internship   September 2023 - November 2023
Google - India Edu Program   *Remote*

PROJECTS

MedMAX | *Python, HTML & CSS, JavaScript, Flask* | **Project Link**   February 2024 - Present

- MedMax simplifies access to prescriptions and healthcare products with its online platform.
- It includes an intelligent chatbot powered by NLP and Generative AI for seamless assistance.
- MedMax enhances user experience, reducing transaction times by 30% and boosting satisfaction by 25% through reliable chatbot support.

ApnaAwaaz.ai | *GenAI, Python, RVC, ML, Git* | **Project Link**   June 2024

- Developed an AI model using the RVC deep learning algorithm to transform any audio clip (e.g., songs, movie dialogues, jokes) into the user's voice by analyzing and applying the user's voice profile to the audio's pitch, tone, and tempo.
- Implemented Text-to-Speech (TTS) technology to convert text input into speech using the user's cloned voice, enabling quick voice messages in chats without new recordings.
- Integrated generative AI tools to create new songs from user-provided lyrics or themes, synthesizing the music in the user's voice for a personalized musical experience.
- Created a unique AI voice transformation tool in a 36-hour hackathon.
- Enabled personalized voice messages and music synthesis using advanced AI technologies.

Projects at FMML IIITH   Aug 2023 – May 2024

- Breast cancer prediction - Machine Learning, MLP Classifier | **Project Link**
- Emotion Recognition | **Project Link**
- Movie Recommendation Engine | **Project Link**
- Finger Counter | **Project Link**
- Diabetes prediction | **Project Link**

TECHNICAL SKILLS

Languages: Python, C/C++, Java, JavaScript, HTML/CSS
Frameworks: React, Flask
Developer Tools: Git, Docker, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, Google Colab,
Libraries: Pandas, NumPy, Matplotlib, TensorFlow, Scikit-Learn, PyTorch

CERTIFICATIONS & PUBLICATIONS

Foundations of Modern Machine Learning   Aug 2023 - May 2024
IIIT-H − The International Institute of Information Technology - Hyderabad   ***Certificate Link***

Publication - Integrating Block chain Technology in Various IoT Applications   2023
IJSET Journel   ***Paper Link***

INVOLVEMENT

Full Stack Development Trainee   December 2023 - Present
Sreenidhi Institute of Science and Technology

Treasurer   May 2024 - Present
Sreenidhi Institute of Science and Technology | IoT Visionary Club

Member   December 2021 - Present
Sreenidhi Institute of Science and Technology | Sports Club

Editor   January 2022 - December 2023
Sreenidhi Institute of Science and Technology | Sreenidhi Photography Club