

RADHE SHYAM SALOPANTHULA

Skills

RESEARCHER | PRODUCT DEVELOPER

Enthusiastic **Product Developer** and **Researcher** working at the intersection of AI, Speech Synthesis, and Language Technology. Currently working at **AI4Bharat, IITM**, leading **SwaraTTS**, a pioneering project to build a sloka chanting TTS model for Sanskrit.

Skilled in building scalable tech products, initiating research problems, and applying creative solutions across diverse domains which are at the intersection of what "I want to, need to and can".

Education

2019-23 | SCSVMV, Kanchipuram
Bachelor of Technology (I.T.)

Interests

Academic:

Knowledge Modeling, Language Modeling, Sanskrit NLP, Computational Linguistics, Speech Processing, Cultural Preservation, Philosophy & Behavioral Psychology



Non Academic:



Chess, Carnatic Music, Singing/Songwriting, Music Production

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Areas/Domains

Speech Synthesis (TTS), Automatic Speech Recognition (ASR), NLP, Product Development in EdTech, AR, and EventTech.

Programming Languages

Python, JavaScript, TypeScript, HTML, CSS/Sass, SQL, NoSQL, PHP, C/C++

Libraries & Frameworks

Three.js, React, Node.js, Express, Django, Laravel, Angular, Bootstrap

Design

Figma, Photoshop, Illustrator, Canva, UI/UX

Inter-Personal & Cognitive Skills

First-Principles Thinking, Proactiveness, Deep Thinking, Efficient Problem Solving, Branding, Holistic Systems Design

Experience

AI4Bhārat, IIT Madras

Researcher (Speech Synthesis) | Jul 2024 - Present

Proposed and Leading **SwaraTTS**, a TTS model for Sanskrit Sloka Chanting.

Telugu Language Expert (ASR + TTS) | Jul 2023 - Present

Superchecker for ASR and YouTube Transcription - Review, Standardization, Guideline Formalization.

Telugu Language Expert for TTS data recording - **Rasa Dataset Collection**.

Kautilya Education

Product Developer | Jun 2022 - May 2023

Digital Marketing, Managing Developers in building and managing applications for Kautilya Education & Partners

Full Stack Developer | Oct 2021 - Jun 2022

Building and managing applications for Kautilya Education

Selected Projects

Smruthi - <https://demo.smruthi.in>

An interactive reading platform for Ramayana & Bhagavad Gita

eSubhalekha.com - <https://esubhalekha.com> (Startup)

An experiment to learn business by building an end-to-end pre-event digital experience platform targeting Telugu weddings. Focused on wedding websites, and guest management tools..

Echo DB - <https://echodb.netlify.app>

An **integrated music search engine** to search for any song/album with links to all streaming platforms.

GraphenePHP - <https://graphenephp.com>

A simple & Light-weight PHP MVC framework