

Shreehari Menon

Building Tomorrow with Code | AI Product Management | Software Engineer

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Profile

Aspiring Product Manager with a strong foundation in software engineering, AI, and NLP. Experienced in leading cross-functional academic and research projects, translating technical solutions into real-world impact. Published researcher (IEEE) and IIT Bombay Summer Research Fellow. Skilled in user-focused product development, agile methodologies, and technical strategy.

Professional Experience

06-2025 – 07-2025

IASC-INSANA-NASI Summer Research Fellow

Mumbai, India

IIT Bombay 📍

Researched **privacy-preserving NLP** using Federated Learning and Differential Privacy. Built and evaluated **LLM training pipelines** under PhD mentorship at IIT Bombay.

Publications

25-04-2025

Real-Time Speech-to-Speech Translator: Analysis and Implementation 📍

IEEE

Breaking language barriers with real-time speech translation through an advanced ASR–MT–TTS system. This innovation is reshaping healthcare, education, and global business by enabling seamless cross-cultural communication.

Projects

02-2025 – present

Transfer Learning

LLM-Based Transfer Learning for Domain Adaptation in NLP

Leading a project strategy to adapt pre-trained LLMs to finance/legal domains; defined objectives, coordinated evaluation, and built demo for stakeholders.

Balance trade-offs between model accuracy and computational cost for practical deployment.

10-2024 – 12-2024

STS Translate

Real-Time Speech-to-Speech Translator

Designed and delivered a speech translation prototype to address cross-language communication barriers in healthcare and education.

Coordinated pipeline integration (ASR–MT–TTS) and validated solution with real-world scenarios.

11-2023 – 03-2024

Karna

Web App for Hearing-Disability Data Collection

Collaborated with clinicians at Dr. S. R. Chandrasekhar Institute to design a user-friendly data collection app.

Defined product requirements, created wireframes (Figma), and oversaw development to improve diagnostic workflows.

04-2025 – 05-2025	Interactive PCA Visualizer <i>PCA Visualization of UCI Wine Dataset using Streamlit</i> Built an interactive data visualization app for non-technical users, enabling dimensionality reduction insights through an intuitive Streamlit UI.
04-2025 – 05-2025	Tango Puzzle Game <i>Flutter-based Logic Puzzle Inspired by Takuzu</i> Designed and developed a mobile-friendly logic puzzle game inspired by Takuzu (Binairo). Focused on user engagement through interactive hints, puzzle validation, and intuitive UI. (Flutter, Dart)
11-2024 – 12-2024	Automata Visualization Developed a web application to generate DFA diagrams from regular expressions. Helped users (students & educators) better understand automata by providing state tables and acceptance state visualization. (JavaScript, Web App)
2024	Sorting Algorithm Visualizer Created an interactive web app to visualize sorting algorithms (QuickSort, MergeSort, BubbleSort, etc.). Simplified learning of algorithm behavior for students by providing animations of swaps, comparisons, and runtime. (JavaScript, HTML, CSS)

Skills

Product & Management (Agile, Scrum, Product Roadmapping, UX/UI Design, Wireframing (Figma), User Research, Stakeholder Communication)


Technical (Python, Java, C, PyTorch, Hugging Face, Transfer Learning, Streamlit, React, Node.js)


Data (SQL, MongoDB, NumPy, Pandas, Matplotlib)

Other (Git, Docker, REST APIs, Presentation & Technical Writing)

Certificates

GATE Qualified 2025 

IEEE  — Co-author, “Real-Time Speech-to-Speech Translator: Analysis and Implementation” (2025)

NPTEL  — Programming in Java (Silver) | Database Management Systems (Silver)

Infosys Springboard  — Agile Scrum in Practice | Applied Generative AI Certification | Artificial Intelligence Foundation Certification | Introduction To Cybersecurity | Python Foundation certification | Programming in C

Education

2022 – 2026 Bangalore, India	Atria Institute of Technology <i>Bachelor of Engineering</i>
2020 – 2022 Bangalore, India	Sri Chaitanya Techno School <i>XII board</i>
2012 – 2020 Bangalore, India	St. Mary's Public School <i>X board</i>

Languages

English | Malayalam | Hindi | Tamil | Kannada | Telugu