

Manthan Manohar Sumbhe

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EDUCATION

Master Of Science – Computer Science (STEM)

Expected – May 2026

Clark University, Worcester, MA, USA

Bachelor Of Science

June 2022

Mumbai University, Mumbai, India

SKILLS

Languages - Java, JavaScript, Python, Swift, C#

Frontend - Angular, React, HTML, CSS

Backend - Spring Boot (RESTful Web Services), Struts, Flask

Database - SQL Server, MySQL

DevOps – AWS, Docker

Mobility - Swift UI, Realm Database

Tools & Practices: Git/GitHub, Agile Methodologies, CI/CD

EXPERIENCE

Intellect Bizware – Java Developer

November 2022 - December 2024

Navi Mumbai, India

- API Development:** Developed secure APIs with Spring Boot to streamline system communication, reducing manual analysis time by 50% and JWT authentication for security.
- AI Integration:** Trained an AI model and integrated it into a Python-based API, improving data processing accuracy by 10%.
- Full-Stack Development:** Created a full-stack module incorporating SAP AI Services with an React frontend.
- iOS App Development:** Built a production iOS sales application using Swift and Swift UI, leveraging Realm Database for efficient storage.

Certifications

Advanced Certificate Program in Data Science

November 2024

International Institute of Information Technology Bangalore

Research and Projects

AI Voice Conversion Studio – Python, Flask, React.js, PyTorch, Spleeter, RVC

- Built a full-stack AI music web application that converts any vocal track into another voice using Retrieval-Based Voice Conversion (RVC).
- Implemented automatic vocal and instrumental separation using Spleeter and integrated RVC inference for high-quality voice transformation.
- Designed a clean, responsive React.js frontend with Flask backend APIs for real-time conversion and playback.
- Trained and tested a custom AI voice model using the in-built RVC training pipeline.

ATS Resume Checker (Chrome Extension) – JavaScript, Node.js, Docker, Ollama

- Built a privacy-first ATS resume analyzer that evaluates resume-job fit directly from live job postings using deterministic, ATS-style scoring.
- Implemented job-driven skill extraction with required vs preferred weighting, explicit penalties, and LinkedIn job detail page extraction to prevent score inflation.
- Integrated a local LLM (Ollama + Phi-3) as a bounded refinement layer and containerized the backend with Docker for reproducible local and production-like execution.