




Manish Tirkey

Software Developer

 [GitHub](#) |  [LinkedIn](#) |  [Portfolio](#)


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Software developer skilled with experience in scalable desktop apps. Passionate about AI and hands-on with models like LLaMA 3.2B, Ollama, Whisper, and DeepSpeech. Familiar with STT/TTS, function calling, and structured output—driven to build impactful solutions.

INTERNSHIP EXPERIENCE

Web Developer - OctaNet


OctaNet

 April 2024 - June 2024

- Worked as a Web Developer at OctaNet.
- Gained hands-on experience with HTML, CSS, JavaScript, and Node.js for building responsive front- and back-end solutions.
- Developed a To-Do app for task management and a game landing page showcasing creative UI design.

Python Developer - LifeTech Software

LifeTech Software

 July 2021 - Aug 2021

- Worked as a Python Developer at LifeTech Software.
- Applied Python, NumPy, and Pandas for efficient data manipulation and ML workflow implementation.
- Built interactive desktop apps with Tkinter, enhancing data interaction.
- Utilized tools: OpenCV, NumPy, Pandas, Matplotlib.

PERSONAL PROJECTS

AI Desktop Application

- takes ScreenShot and Finds the Optimal Solution by Finding The Structured Problem Statements from Screenshot
- **Technologies used** - Electron.js, Whisper model, OpenAI API for 4o-GPT and o3.

Password Manager

- Cross-platform desktop application.
- End-to-end encryption with **AES-256-CBC**.
- **Technologies used** - Electron.js, MongoDB.

SKILLS

Programming Languages:

- C/CPP , Python (**Advanced**), Java(**Intermediate**), JavaScript(**Intermediate**).
- OOPs, DSA.

Web Development:

- HTML5/CSS, Tailwind, Node.js, React, Next.js, Electron.js.

Database Management:

- MySQL (**intermediate**), MongoDB.


Tools & Technologies:

- Git/GitHub, Linux, Docker, API.

EDUCATION


Master of Computer Applications

Dr. Shyama Prasad Mukherjee University

 Sept 2022 - July 2024 Ranchi, Jharkhand

Bachelor of Computer Applications

Dr. Shyama Prasad Mukherjee University

 Sept 2019 - July 2022 Ranchi, Jharkhand

PASSION

- **Sports:** Football and badminton.
- **Interests:** IoT devices (Raspberry Pi as a local server, Arduino), and learning new technologies.
- **Tech:** Voice-Agents, Speech-to-text, LLM, Text-to-speech from **DeepLearning.ai**