

Tejal Kadam

📍 Bangalore, India ✉️ gmail ☎️ 8591813170 📁 Portfolio in LinkedIn 🐙 Github

Education

Visvesaraya National Institute of Technology - NIT Nagpur
Masters in Computer Science Engineering, CGPA: 9/10

Sep. 2021 – June 2023

Technical skills

Programming Languages: Python, SQL, C++, C, HTML/CSS

Tools/Technologies: GitHub, Linux, MySQL, Excel, Power BI Desktop, Streamlit, Gradio, Flask, VS Code
Virtual Machines, MobaXterm, Wireshark

Frameworks Pandas, NumPy, Data Visualization, Sklearn, Matplotlib, Tensorflow

Soft Skills: Problem Solving, Debugging, Documentation, Presentation, Leadership, Critical Thinking, Team player, Adaptability

Projects

ML-Driven Decision Support for TBM Diagnosis

[View Project](#)

- Designed a Clinical Decision Support System (CDSS) to diagnose TBM and predict severity, utilizing Random Forest, Gradient Boosting, SVM, k-fold cross-validation, and a Gradio interface for real-time results.

BrewBiz: Coffee Sales Tracker and Analyzer

[View Project](#)

- Developed a Coffee Sales Tracker integrating Streamlit for an intuitive user interface, SSMS for efficient database management, and Power BI for dynamic data visualization and analysis.

Textify Extract: Extract text from Image

[View Project](#)

- Built Textify Extract, a web application for extracting text from images using Flask (backend), React (frontend), and OCR tools like Tesseract, enabling accurate text recognition with a user-friendly interface.

AQI and Temperature Monitor

[View Project](#)

- Developed EnviroTracker, a web app using Streamlit and the OpenWeatherMap API to provide real-time temperature and AQI data, offering live environmental insights through an interactive interface.

Experience

Scientist - B

C-DOT, Gov. of India

Bangalore, IN

July 2023 – Ongoing

- Developed algorithms for ARP and IPv6 ND timer functionality.
- Optimized DPDK/ODP stacks and conducted QoS testing to analyze data flows and rate-limiting.
- Performed QoS analysis on dual-rate shapers, measuring latency, drop rate, and throughput.
- Data-driven debugging and automation to troubleshoot network issues and streamline testing.

Publications

A Review of ML Techniques for Tuberculosis Meningitis Diagnosis

January 2023, [View](#)

Held by NIT Delhi — Scopus Indexed Springer Book Series

[Publication](#)

AI Game Bot

May 2020, [View](#)

International Journal for Science and Advance Research in Technology (IJSART)

[Publication](#)

Certifications

The Data Science Course: Complete Data Science Bootcamp 2024

Dec 2024