

# ADARSH SONKUSRE

@sonkusreadarsh@gmail.com  
in LinkedIn/AdarshSonkusre

(+91) 9028262895  
GitHub/AdarshSonkusre

Nagpur, Maharashtra, India  
LeetCode/AdarshSonkusre

## EXPERIENCE

### Machine Learning Intern

IBM

Dec 2022 – Feb 2023

- Interned on **IBM DB recommendation system**, honing technical skills in code snippet suggestion system development and **enhancing Database architecture performance by 42%**. Gained proficiency in **task management**, and team dynamics.

### Python Instructor

Sona Computers Pvt. Ltd.

Mar 2021 – May 2023

- Experienced **Python Instructor** adept at curriculum development, **guided over 1500 students** in 2 years of Python programming, **problem-solving**, and project-based learning. Effective communicator with strong management abilities.

## PROJECTS

### Morse Code Detector using Machine Learning

Python, C++, Machine Learning, NLP, TensorFlow, Arduino IDE

- Engineered a robust algorithm for precise Morse code to English conversion. **Employed Python and C++**, alongside innovative technologies like **Machine Learning**, **IoT**, and **Arduino IDE**. This multi-disciplinary approach **ensured optimal performance** and **adaptability** to diverse applications.

### Sign Language Detection Application

Python, Machine Learning, NLP, Java, Android SDK

- Developed a Sign Language Detection Application leveraging **Python**, **Pandas**, **Matplotlib**, **Android SDK**, and **Machine Learning** algorithms achieving **99% accuracy**. Implemented user-friendly interface and advanced ML techniques for seamless interpretation, fostering inclusivity and accessibility.

### Automated Budget Tracker Application

Python, Pandas, Tkinter, Matplotlib

- Developed a Python application to automate personal budget tracking. Utilized libraries like Pandas for **data manipulation** and **Matplotlib for visualization**. Implemented a **user-friendly interface** for expense input and generated insightful reports.
- Implemented SQLite database for data storage and integrated notifications for budget alerts and summaries.

## EDUCATION

B.Tech in AI and Data Science  
Rashtrasant Tukadoji Maharaj Nagpur  
University, Nagpur

Nov 2021 – Jun 2024 Per: 79% (7th)  
Diploma Per: 85%  
10<sup>th</sup> Per: 66%

## SKILLS

Python C++ Machine learning  
Artificial Intelligence Deep learning  
TensorFlow Linux GitHub LLM  
NLP Generative AI SQL  
Problem Solving Communication Skills

## ACHIEVEMENTS

- Secured 1st Rank at the ISTE national convention for paper presentation.
- Secured 2nd Rank at IEE's Technovation state competition.
- Secured 2nd Rank at Technovanza 2k23

## CERTIFICATION

- Harvard University's best practices for biomedical research data management certificate.
- The Python3 Certification.
- Essential Microsoft Excel from Beginner to Advanced level.
- Udemy's SQL Certification.

## COURSEWORK

DSA OS OOPS CN DBMS