

# SAMARTH BUNDELE

Bachelor of Technology from University of Mumbai

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## SUMMARY

Motivated and detail-oriented AI engineer with strong proficiency in Python, TensorFlow, PyTorch, and NLP frameworks such as LangChain and Hugging Face. Skilled in developing and deploying robust machine learning models, with hands-on experience in computer vision and natural language processing. Passionate about leveraging data-driven solutions to tackle real-world challenges and eager to contribute to innovative AI applications.

## EDUCATION

B. Tech (Internet of Things). Thakur college of Engineering and Technology. Dec 2021-May 2025  
Passed with 9.5 CGPA  
H.S.C. (12<sup>th</sup>) Passed with 92.2%. June 2020-May 2021

## SKILLS

Language: Python | JavaScript | C/C++

Database: SQL | MongoDB

Tools & Platform: RestAPI | FastAPI | GitHub | Leetcode | Jupyter Notebook | AWS | Postman | M.S Office

Technologies: Machine Learning | Cloud Computing | Artificial Intelligence | Natural Language Processing (NLP) | Pytorch | Large language models | Hugging Face | MediaPipe | OpenCV | TensorFlow

Knowledge: Data Structures & Algorithms (DSA) | Object-Oriented Programming (OOPs) | DBMS |

Operating Systems | Computer Networks

## PROJECTS

AI-Driven Plastic Bottle Identification and Sorting System | Python | OpenCV | TensorFlow Aug 2024 – Oct 2024

- Achieved **92% accuracy** in classifying plastic bottle materials using TensorFlow and OpenCV, improving recycling efficiency by **25%**.

Stock Price Market Prediction | Python | Machine Learning| XGBoost May 2024 -June 2024

- Developed XGBoost predictive model that forecasted stock prices with a mean accuracy of **85%** based on historical data analysis.

Sign Language Detection | Python | Media pipe | OpenCV Dec 2023-Jan 2024

- Implemented Google's MediaPipe for gesture recognition, attaining a gesture recognition accuracy of **90%**, significantly enhancing accessibility tools.

## INTERNSHIPS

Software Developer Intern at PenguinApps Aug 2024 -Oct 2024

- Collaborated on software development projects under the supervision of manager.
- Optimized software codebase, reducing real-time application latency by **15%**.

ML Developer Intern at EI Systems May 2024- Aug 2024

- Assisted in developing and implementing machine learning models to enhance data analysis and predictive capabilities.
- Assisted in developing predictive ML models, resulting in a **10% improvement** in data analysis accuracy for client projects.

## ACHIEVEMENTS / CERTIFICATIONS

- Building LLM Applications with Prompt Engineering. ([NVIDIA](#))
- TCS CodeVita Season 11 Global rank 3835 ([Certificate](#))
- Python for Everybody ([Coursera](#))