Yash Atre

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Education

Mahatma Gandhi Mission's College of Engineering (MGM)   **July 2023 – June 2026**
Bachelor of Engineering in Computer Science and Engineering — CGPA: 6.99   *Nanded, Maharashtra*

Goverment Polytechnic College   **Nanded 2020 – June 2023**
Diploma in IT — Percentage: 81.33%   *Nanded, Maharashtra*

Projects

Lung Cancer Detection | *Python, Flask, VGG16, ANN*

- Developed a web-based diagnostic tool achieving 99.52 percent accuracy using a hybrid VGG16 + ANN deep learning model on CT scan images.
- Implemented preprocessing (filtering, segmentation, LDA) and deployed an interactive GUI using Flask for real-time cancer subtype prediction (Adenocarcinoma, SCC, LCC, Normal).
- Developed a user-friendly Flask web app with features like user login, scan history, and real-time prediction with confidence scores.
- Visualized predictions through original, filtered, and segmented images to aid interpretability for clinical or educational use.

JARVIS | *HTML, CSS, JAVASCRIPT*

- Developed a voice-activated virtual assistant named JARVIS with a responsive user interface.
- Implemented speech recognition and speech synthesis for interactive commands, enabling the assistant to open websites, provide date and time, and perform tasks such as opening Google, YouTube, and more.
- Integrated features to recognize specific voice inputs and respond with personalized greetings or actions, creating a seamless interaction for users.

Relevant Coursework

- Object-Oriented Programming
- Data Structures and Algorithms
- Database Management Systems
- Operating Systems

Technical Skills

Languages: C++, HTML/CSS, JavaScript, SQL
Developer Tools: VS Code
Technologies/Frameworks: GitHub
Database: MySQL
Programming: DSA

Certification

Industrial Training – Arduino Programming   **August 2022**
SciTech Educators   *Nanded, Maharashtra*

- Gained hands-on experience in microcontroller programming, circuit interfacing, and embedded system development using Arduino.

Java Foundation – Certificate of Achievement   **August 2024**
Infosys SpringBoard   *Online*

- Successfully completed the Java Foundation course, demonstrating foundational knowledge in Java programming and software development principles.

Extracurricular

- Part of the college Volleyball team.
- Training Coordinator, Training and Placement Cell (TPO Council), MGM College of Engineering
- Shortlisted, 1st International Level Pune Agri Hackathon – Selected for Round 2 among national and international participants, showcasing an innovative agri-tech solution (2025)