

VITHOBA JADHAV

B. Tech

Computer Science and Engineering

(AI&ML)

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. CSE- (AI&ML)	D.Y. Patil College of Engineering and Technology (Autonomous) Kolhapur	7.4	2024

PROFESSIONAL SUMMARY

Skilled **Computer Science with Artificial Intelligence & Machine Learning student** with experience in developing **scalable, real-time applications** and **AI-driven applications** where I can utilize my expertise in python, data analytics and machine learning models. Proficient in web development using **React.js** and **JavaScript**. Strong in **java**, **data structures**, **algorithms**, and networking tools and protocols, with a focus on delivering high-performance software solution. Eager to contribute to impactful engineering projects.

PROFESSIONAL EXPERIENCE

- Softron Technology, Kolhapur** May 2023 - July 2023
Trainee Programmer, Intern Kolhapur
 - Successfully built a Text to speech responsive web application that reduced reading efforts, saved time.
 - Designed the http client architecture which utilized AWS Polly API to convert written text into natural sounding speech.
 - Conducted thorough testing and debugging to ensure the application's functionality and performance.
 - Improved user experience by incorporating features like adjustable speech speed and volume control.
 - worked with version control tools (Git) to maintain codebase integrity and facilitate team collaboration testing.

PROJECTS

- Real time sign language detection using OpenCV:** July 2023-Nov 2023
Group Project
 - A Sign Language detection system, which would convert standard sign language to text, this must be a multi-use application for the deaf and mute people, to include many forms of sign language and gesturing.
 - Used pre-trained model SSD MobileNet V2 for training of prepared dataset.
 - *Technology Used: Python, TensorFlow, Object Detection API*
- Virtual Air Canvas using OpenCV and NumPy:** may 2024
Group Project
 - Allow users to draw and interact with a virtual canvas through hand gesture.
 - Collection of datasets using videos of different hand gestures, Model training using algorithm CNN or SSD Mobilenet V2
 - *Technology Used: Python, OpenCV, TensorFlow, Object Detection API, Media pipe.*
- Infrastructure Portal:** Oct 2024- Jan 2025
Personal Project
 - Developed a portal with **HTML, CSS, JavaScript, React.js**.
 - Designed and developed responsive web portal to showcase infrastructure Projects,
 - improving client engagement and online presence.
 - Delivered a scalable and user-friendly solution, reflecting the business innovation and reliability in the infrastructure sector.

TECHNICAL SKILLS

- Programming Languages:** C, Python, Java
- Web Development Skills:** HTML/CSS/JS, React.js, Node.js, Django
- Databases:** MySQL, MongoDB
- Technical Skills:** Data Structure and Algorithm, Object-Oriented Programming, DBMS, Operating System, Computer Networking tools and protocols, Data Science.
- Artificial Intelligence:** Machine Learning, Deep Learning (basic understanding), Data Analytics
- OS and Software's/Tools:** Windows, Linux, Git/GitHub, PowerBI, Firewall Management, Docker

CERTIFICATIONS & TRAINING

- Introduction to Embedded Machine Learning - *Coursera Certificate*
- AWS Fundamentals - *Coursera Certificate*
- Meta Front-End Developer Professional Certificate- *Coursera Certificate (In progress)*