ARYAN ZAMBARE

Solapur, Maharashtra

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CAREER OBJECTIVE

"To leverage my foundational knowledge in electronics, communication systems, and emerging technologies to contribute to innovative engineering solutions. Eager to apply problem-solving skills, adaptability, and a passion for continuous learning in a dynamic organization, while gaining practical exposure to enhance my technical and professional competencies."

EDUCATION

- **N.K. ORCHID COLLEGE OF ENGINEERING AND TECHNOLOGY, DBATU, Lonere**.   2023 – 2025
  Third Year – Electronics and Telecommunication Engineering   Maharashtra, India

- **MIT Higher Secondary School, Wakhri, Pandharpur.**   2021 – 2023
  HSC - Maharashtra State Board - Aggregate: 60%   Maharashtra, India

- **Kavathekar Prashala, Pandharpur.**   2020 – 2021
  SSC - Maharashtra State Board - Percentage: 75%   Maharashtra, India

COURSEWORK / SKIILS

- Digital Electronics
- Xilinx
- Operating System
- Oops Concept
- Signal and System
- Network Theory

PROJECTS

Hand Gesture-Based Volume Control | *Python, OpenCV, Mediapipe*   2025
- Developed a computer vision application to control system audio volume by detecting the gap between thumb and index finger in real-time using OpenCV and Mediapipe hand-tracking.
- Implemented image processing techniques for hand landmark detection and distance calculation.
- Achieved smooth and responsive volume adjustment without physical contact, enhancing accessibility and user experience.

Automated File Organizer | *Python, OS, Shutil*   2025
- Created a script to automatically organize files into categorized folders based on file type, reducing desktop clutter and improving workflow efficiency.
- Utilized Python's OS and Shutil modules to perform file handling and movement operations.
- Achieved up to 90% reduction in manual file sorting time with customizable categorization rules.

AI Chatbot with NLP | *Python, NLTK, spaCy*   2025
- Developed a chatbot capable of understanding and responding to user queries using natural language processing techniques.
- Integrated NLTK and spaCy libraries to perform tokenization, lemmatization, and entity recognition for improved accuracy.
- Delivered an engaging conversational flow with fallback handling, suitable for integration into web or desktop applications.

Hangman Game | *Python*
- Built a command-line word guessing game with random word selection and letter-by-letter input validation.
- Implemented logic for tracking correct and incorrect guesses, along with a limited attempt system to increase challenge.
- Enhanced user engagement with replay options and randomized word lists for each game session.

TECHNICAL SKILLS

- **Languages:** C, C++, Python, HTML, CSS, JavaScript
- **Operating system:** Windows
- **Developer Tools:** Eclipse, VS Code, Xilinx, Git, Github, Turbo C
- **NLP Tools:** NLTK, spaCy, Hugging Face Transformers
- **Computer Vision:** OpenCV, Mediapipe
- **Cybersecurity:** Kali Linux

TRANNING AND INTENSHIP

- **Eminence Club, Mumbai.** **August 2024**

  Completed a One-week Training on Communication skills & Personal Development organized by N.K Orchid College of Engineering Technology, Solapur.

- **PMS Robotics Research Centre.** **April 2025**

  Completed a 32-hour internship and training program in "Industrial Automation and Robotics" helping to solidify my understanding of the field.

  Worked with a 3DOF robotic arm and Integrated distinct industrial sensor like Colour Sensor, enabling real-time data acquisition and enhancing the arm's responsiveness

  Studied Arduino programs and established connections for the robotic arm using Arduino Uno.

- **Code Alpha Virtual Python Programming** **February 2025**

  Completed a virtual internship in Python programming, building mini-projects and sharpening skills in problem-solving, OOP, automation (scripts), and version control (Git).

CERTIFICATIONS

- Certification in **NPTEL** Course of **Programming in Modern C++** with 55% (oct 2024)
- **Cybersecurity Analyst Job Simulation** — Tata (July 2025)
- **Cybersecurity Fundamentals & How to Ignite Your Career in Cybersecurity** — CSC Council (July 2024)
- **Google Analytics for Beginners** — Google (July 2024)
- **5-Day Live JavaScript Bootcamp** — CodeWithRandom.dev (June 2024)
- **Introduction to Cybersecurity** — Cisco Networking Academy (December 2023)
- **Introduction to Soft Skills** — TCS iON (January 2024)

CO-CURRICULAR ACTIVITIES & EXTRA CURRICULAR ACTIVITIES

- Participated in **Idea Submission & Problem Statement Selection** of **Orchathon** organized by NKOCET (2025)
- Participated in **National Level Poster Making Competition** organized by WIT Solapur (2024)
- Participated in **National Level Innoverse - Problem Solving Competition** organized by WIT Solapur (2024)
- Participated in **Orchid Carnival Cultural Event** organized by NKOCET (2024)
- EX-Member of Orchid Innovation Club As a **Industry Visit Coordinator**
- Campus Ambassador of Acmegrade

PERSONAL PROFILE

- **Date of Birth:** 12th November 2005
- **Language Proficiency**: English, Marathi, Hindi, Kannada
- **Permanent Address:** Swaraaj Heights, Kate Wasti, Punawale, Pimpri-Chinchwad, Maharashtra 411033
- **Hobbies:** Drawing, Playing Tabla, Playing Basketball

Place: Solapur   **(Aryan A. Zambare)**