

Jay Zunjarao

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Electronics & Telecommunication Engineering Graduate with specialized proficiency in Web Development, Python, and IoT solutions. Award-winning researcher with a proven track record of building user-centric applications using Web Technologies, Flutter, and Computer Vision. Eager to leverage technical expertise in a challenging Software Engineering role.

TECHNICAL SKILLS

Languages: Python, JavaScript (ES6+), Java, Dart, SQL

Web Technologies: React.js, HTML5, CSS3, Tailwind CSS, Bootstrap, jQuery, REST APIs

Frameworks & Libraries: Flutter, NumPy, Pandas, OpenCV, Matplotlib, Seaborn

Tools & Platforms: Git, GitHub, VS Code, Android Studio, Figma, MySQL Workbench, Vercel

EDUCATION

B.E. in Electronics & Telecommunication

Modern Education Society's Wadia College of Engineering, Pune

2021 – 2025

Pune, India

Higher Secondary Certificate (HSC)

B.K. Birla College (81.67%)

2021

Kalyan, India

KEY PROJECTS

Facial Recognition System for Visually Impaired

Final Year Capstone Project

Python, OpenCV, Raspberry Pi

- Engineered a real-time assistive device using **Python** and **OpenCV** to detect known individuals and announce names via **pyttsx3** text-to-speech engine.
- Optimized facial detection algorithms for the **Raspberry Pi 4** environment to ensure low-latency processing.
- Awarded Best Paper** at the Synergy 2025 National Conference for innovation in assistive technology.

Japanese Kana Flashcard App

Mobile Application Development

Flutter, Dart, Figma

- Developed a cross-platform mobile application for language learning, featuring randomized character generation and Romaji pronunciation toggles.
- Designed a minimalist, accessible UI in **Figma** and implemented state management in **Flutter** for a seamless user experience.

Car Catalog Platform

Web Development Project

JavaScript, Bootstrap, HTML/CSS

- Built a dynamic, responsive web application allowing users to filter cars by brand, specifications, and pricing.
- Integrated interactive media features including engine sound playback and dynamic image galleries.

Solar Powered Grass Cutter

Third Year Project

IoT, ESP32, C++

- Prototyped an eco-friendly automated bot using **ESP32 NodeMCU** with ultrasonic sensors for obstacle avoidance.

EXPERIENCE

Artificial Intelligence & Machine Learning Intern

Sep 2023 – Oct 2023

Kodacy

Remote

- Executed end-to-end data pipeline tasks including data preprocessing, feature engineering, and cleaning of complex datasets using **Pandas** and **NumPy**.
- Implemented and evaluated supervised learning models, optimizing parameters to improve prediction accuracy.

AWARDS & RECOGNITION

- Best Paper Award:** Synergy 2025 (ICT Academy IETE Pune) for advancements in Electronics Technology.
- Paper Publication:** Authored research on "Advancements in Communication and Computing," presented at the 10th National Conference.

LANGUAGES

English (Professional Proficiency), **Hindi** (Fluent), **Marathi** (Native), **Japanese** (Beginner)