

# ASHISH DEVLEKAR

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## EDUCATION

### Bachelor of Engineering in Information and Technology

Vasantdada Patil Pratishthan's College of Engineering

Dec 2021 – July 2025

7.50 CGPA

### 12<sup>th</sup> Boards(H.S.C)

D.G Ruparel College, Mumbai (82.67%)

Mar - 2021

### 10<sup>th</sup> Boards (S.S.C)

St. Theresa's High School (81.80%)

Jun - 2019

## PROJECTS

### Attendance System using Face Recognition | Python(ML)

Technologies Used: Python, OpenCV, face recognition, Tkinter, pyttsx3 (Text-to-Speech), NumPy, CSV for data storage.

- Implemented facial recognition using Haar Cascade and LBPH algorithms, showcasing problem-solving and analytical skills.
- Designed and developed an intuitive user interface with Tkinter, ensuring seamless user interaction and enhancing user experience.
- Leveraged OpenCV for image processing and integrated text-to-speech functionality, demonstrating a strong understanding of software development principles.

### TRAYA: A Centralized Waste Management Solution

Technologies used: Next.JS, CSS, Javascript, Node.js, Express.js, MongoDB, Flask(Python), Pytorch, Docker(Deployment).

- AI-driven, IoT-integrated platform using Raspberry Pi GPIO Zero for waste collection, tracking, and disposal monitoring, ensuring efficient and real-time management
- Encourages user participation through specific rewards for recycling contributions, tackling the lack of incentives and boosting engagement.
- Uses AI for multimodel waste segregation, includes real-time monitoring of waste hotspots and connects users, collectors and recyclers in a unified hub for effective waste management.

### Library Management System | Python

Technologies Used: Python, Tkinter, MySQL, MySQL Connector, SQL, CSV (optional for reports/logs).

- Built a library management system using Python and Tkinter, enabling efficient book cataloging and transaction management, showcasing software development skills.
- Implemented MySQL for robust database storage, enhancing data management capabilities.

## INTERNSHIPS & CERTIFICATION

### Python Programming Virtual Internship

Jan 2024 – Feb 2024

- Participated in a virtual internship focusing on practical applications of Python, enhancing programming skills relevant to software development and testing.

### IBM Skills-Build and CSRBOX ChatBot Internship

Jun 2024 – Jul - 2024

- Developed an AI-powered chatbot using IBM Watson for a water sanitation project, gaining experience in software development and debugging.

### AI fundamentals (IBM)

- Course introducing fundamental concepts of AI offered by IBM

## Technical Skills

**Front-End Web Development:** React.JS, Next.JS, JavaScript, Tailwind CSS, HTML, CSS

**Back-End Web Development:** Node.JS, Express, Flask

**Database Management:** MongoDB, SQL

**Programming Languages:** C, C++, Python

**Other Technologies:** GitHub, VS Code, IBM Watson