

# Ayush Sawant

✉ ayushvsawant@gmail.com | 📞 876-790-3969

🌐 <https://github.com/imayushsawant> | <https://www.linkedin.com/in/sawant-ayush/>

## Skills

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**Languages:** C, C++, Java, JavaScript, TypeScript, SQL

**Web:** HTML, CSS

**Concepts:** Data Structures and Algorithms, Object-Oriented Programming

**Tools:** Git, GitHub

**Currently Learning:** Express.js, Node.js

## Education

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**Dr. D. Y. Patil Institute of Technology, Pimpri, Pune**

Aug 2024 - Jun 2028

B.E. in Artificial Intelligence and Data Science

**CGPA: 8.89/10**

Relevant Coursework: Object Oriented Programming, Databases, Discrete Maths, Data Structures and Algorithms, Operating Systems, Advance Data Structures and Algorithms, Artificial Intelligence, Data Science

## Project Work

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- **Military Sonar System (CEP):** Developed a basic sonar detection system using an ultrasonic sensor and servo motor to detect nearby objects and map surroundings. Integrated Arduino hardware with Processing IDE to visualize real-time distance data on a radar-style interface displayed on a laptop screen. Arduino, Processing IDE, Ultrasonic Sensor, Servo Motor.
- **To-Do Web Application:** Built a browser-based task management application using JavaScript, HTML and CSS. Implemented dynamic DOM manipulation to add, delete and update tasks in real time without page reload. Focused on writing modular JavaScript functions and maintaining responsive UI behavior. JavaScript, HTML, CSS.
- **Mintlify Landing Page UI Implementation:** Recreated the layout and structure of the Mintlify documentation landing page using HTML and CSS. Implemented multiple sections including navigation bar, hero layout and documentation blocks while closely matching the visual hierarchy and spacing of the original design. HTML, CSS, Flexbox.
- **Cursor Website UI Layout Implementation:** Implemented a front-end layout inspired by the Cursor website using HTML and CSS. Structured various UI sections such as navigation, feature blocks and content sections while focusing on layout composition and responsive page structure. HTML, CSS.

## Leadership & Activities

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- **Social Media Manager – Zion Technical Fest, DY Patil Institute of Technology:** Created promotional content and managed social media posts for the college technical festival. Produced short-form video content that reached more than 300,000 views, helping increase visibility and engagement for the event.
- **Volunteer – My Prakriti Community Initiative:** Regularly participate in weekly plogging drives focused on environmental cleanliness by collecting waste while jogging in public spaces, contributing to community awareness about sustainable practices.