

# AYUSH AGRAWAL

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## EDUCATION

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### Dr. D.Y. Patil Institute of Technology

B.E. in Automation and Robotics (A&R)

2021–2025

Pimpri, Pune

- **Relevant Coursework:** Data Science, AI in Robotics, Artificial Neural Networks & Deep Learning

- **Projects:**

1. Engineered an **RC Surveillance Bot** with real-time video streaming and **90% accurate** obstacle detection.
2. Built an **Underwater ROV Bot** for pollution control, water analysis, and environmental research.

## SKILLS

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Languages	: Python, C, C++, JavaScript, HTML/CSS
Frameworks & Libraries	: ReactJS, Redux, TailwindCSS, ExpressJS, NodeJS
Databases	: MySQL, MongoDB
Tools & Technologies	: Git/GitHub, Linux, AWS, Google Cloud

## WORK EXPERIENCE

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### Web Development Intern – *Labmentix*

October 2025 - Present

- Developed a full-featured **Learning Management System** using **React.js, Node.js, Express, MongoDB**
- Built **responsive, mobile-first** user interfaces and **RESTful APIs** for course management, enrollment, and progress tracking.
- Implemented **role-based access control** and **JWT authentication** to secure student and instructor data.
- Integrated **video lessons, assignments, and quizzes** with real-time progress monitoring and analytics.

### Web Development Intern – *NMD Pvt. Ltd.*

3 months – March 2025

- Developed a **Postman-like API testing tool** using **React.js, Node.js, Express, MongoDB** for creating and testing HTTP requests.
- Implemented support for **RESTful methods** (GET, POST, PUT, DELETE) with customizable headers, parameters, and request bodies.
- Built a clean, **responsive user interface** with request history and environment variable management.
- Added **JWT-based authentication** and secure data persistence for saved collections and test results.

## PROJECTS

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### AgroTech (E-commerce Website) | *ReactJS, NodeJS, ExpressJS, MongoDB, Socket.IO, Cloudinary*

Live Link [View](#)

- Built a **full-stack** agricultural e-commerce platform using the **MERN stack** to provide a smooth user experience.
- Used **WebSockets** to add real-time chat between buyers and sellers, improving communication.
- Set up secure login and role-based access using **JWT-Authentication** for both **admin and regular users**.
- Added key features like **product search, category filters, checkout process, and user profiles**.
- Connected **Cloudinary** for quick and scalable image uploads to manage media efficiently.

## POSITIONS OF RESPONSIBILITY

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### DevKraft Tech Club | *Founder & Design Lead*

Dec 2022 – May 2024

- **Led design and UX enhancements** for **10+ tech events** attracting **over 1000 attendees**, creating engaging presentations and improving the **club's website UI** for better usability and branding.
- **Organized 3 hackathons** with **200+ participants**, crafting challenging technical problems and establishing clear judging criteria to foster fair competition and maximize participant engagement.

## ACHIEVEMENTS

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- **Winner**, Inter-department DSA Competition 2022 among **400+ participants** by CSI DIT. [Instagram Post](#)
- **Runner-up**, Inter-department Project Competition 2025 (**50+** entries) by Dept. of Automation & Robotics.