

# Tushar S. Neje

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<https://github.com/tusharneje-07/>

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## PROJECTS

2025

### ACADIX – AN ERP SYSTEM

*Commercially available ERP solution designed to streamline operations for schools, colleges, and polytechnic institutions.*

- Built a scalable ERP solution for educational institutions using Python, Django, and MySQL.
- Developed key features like attendance and score management with a mobile-friendly interface.
- Collaborated on a responsive frontend with HTML, CSS, and JavaScript.
- Automated processes to improve productivity and received positive user feedback.

2025

### SMARTPLATE – AI-DRIVEN DEMAND FORECASTING & PERSONALIZED NUTRITION FOR NON FUNDED CANTEENS

- Developed an AI-driven forecasting system in Django to predict canteen food demand and minimize waste.
- Integrated ML-based personalized nutrition recommendations tailored to user preferences and health data.
- Designed a responsive web interface with Tailwind CSS featuring real-time inventory and menu tracking.

2025

### NYAYASEARCH: DISCOVER INDIAN LAW WITH AI PRECISION

- Built **NyayaSearch** using Django and React with an AI chatbot for lawyers to search and study cases by keyword, court, and more
- Applied LLMs to enable intelligent, natural language-based legal search functionality.
- Designed a **user-friendly UI** with Tailwind CSS featuring smart filters and responsive design.

2025

### RESPIREX: AI-POWERED LUNG DISEASE DETECTION

- Developed RespireX, an AI-driven solution using Python, Django, and deep learning models to detect lung diseases from chest X-rays with high accuracy.
- Implemented an interactive React.js frontend and backend for instant, scalable diagnoses and real-time visualizations of detected abnormalities.
- Enhanced diagnostic efficiency and affordability by offering a cost-effective alternative to traditional imaging methods, accessible to both doctors and patients.

2025

### META-SHIELD: AI-POWERED SENSITIVE DOCUMENT CLASSIFICATION

- Developed Meta-Shield, an AI-powered document classification system using Random Forest to classify documents as sensitive or non-sensitive based on metadata, ensuring privacy.
- Built a Django web interface for seamless access, displaying AI-driven predictions with confidence scores to support security and compliance needs.
- Delivered a scalable, deployable solution, ensuring easy enterprise integration and compliance with regulations like GDPR, HIPAA, and DPDP.

2024

### LEAVEMINDER - LEAVE MANAGER

- Developed **Leaveminder - Leave Manager** using **PHP, Bootstrap, and MySQL**, for leave application and tracking processes.
- Implemented real-time approval workflows

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## EXPERIENCE

JULY 2022

**INTERNSHIP**

**SVL AUTOMATIONS, KOLHAPUR**

- FULL STACK WEB DEVELOPMENT

2023-2024

**GENERAL SECRETORY**

**DKTE'S YCP, ICHALKARANJ**

2024-Present

**TECHNICAL CO-HEAD**

**HACKATHON VIII, (VIT-K), PUNE**

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## AWARDS & ACHIEVEMENTS

2023-2024	STUDENT OF THE YEAR (BEST OUTGOING STUDENT)	DKTE's YCP, ICHALKARANJI
2023	3RD RANK IN TECH CODE WAR	DVPP POLYTECHNIC, LONI
2023	1ST RANK IN CRACKERS 2.0	JJMCOE, JAYSINGPUR
2022	3RD RANK IN CRACKERS	JJMCOE, JAYSINGPUR
2022	1ST RANK IN ADVITYA	DKTE's YCP, ICHALKARANJI
2022	1ST RANK IN ORIONET	SIT POLYTECHNIC, YEADRAV

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## EDUCATION

2024-Present	<b>BACHELOR OF TECHNOLOGY (SECOND YEAR)</b> <i>Pursuing B.tech in Computer Engineering in Vishwakarma Institute of Information Technology.</i>	Vishwakarma Institute of Information Technology,,Pune
2021-2024	<b>POLYTECHNIC DIPLOMA (MSBTE)</b> <i>Completed Diploma in Computer Science and Engineering with Aggregate of 94.00% (91.15 &amp; 97.06)</i>	DKTE's Yashwantrao Chavan Polytechnic, Ichalkaranji
2021	<b>SSC</b> <i>Completed SSC (10th) with 87.20%.</i>	DKTE's Ichalkaranji High School (Rajwada), Ichalkaranji

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## RESEARCH & PUBLICATIONS

“Acadx: An Departmental ERP System”, [IJIRCCE](#)

“Auto Sentinel: Integrating Driver Behaviour Analysis, Eye-Face Authentication, Emotion Detection, and Anti-Hypnosis Features”, [co-authored \(publication pending\)](#)

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## OTHER

- Languages: Marathi, English, Hindi
- Technical Skills: C,C++,Java,Python, PHP, HTML/CSS/JS, Vb.NET, Tailwind CSS, Bootstrap, Django, Flask, Tkinter, MySQL
- Certifications: NPTEL - Python for Data Science, Ethical Hacking, System and Usable Security