

# KALYANI TEWARI

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## Education

<b>Symbiosis Institute of Technology, Pune</b> <i>Bachelor of Technology in Artificial Intelligence &amp; Machine Learning</i>	<b>2022 - 2026</b>
<b>St. Mary's Convent College, Nainital</b> <i>ISC - Science Stream (Computer Science)</i>	<b>CGPA: 8.75</b>
	<b>Grad. 2022</b>
	<b>93.00%</b>

## Skills

- Languages:** Java ([Fitness Tracker App](#)), Python, C, SQL, JavaScript, MongoDB, Solidity  
**AI/ML:** Deep Learning, NLP, **Transformers** ([Voice2Gesture](#)), Computer Vision, Unsupervised Learning, Supervised Learning  
**Developer Tools:** Git, Selenium, Azure, Power Platform, Azure DevOps, MS Copilot, React  
**Concepts:** Data Structures & Algorithms ([Food Recipe Recommendation System](#)), OOPs, Blockchain ([Decentralized Escrow System](#)), Zero-Knowledge Proofs (ZKP)  
**Interpersonal:** Public Speaking, Leadership, Team Management, Critical Thinking, Creative Thinking

## Experience

<b>Microsoft, Consultant Intern</b> ( <a href="#">Certificate</a> )	<b>June 2025 – July 2025</b>
• Developed a comprehensive <b>Power Platform solution</b> (Canvas App, Model-Driven App, Power Automate flows) and built a <b>Copilot agent</b> for automation, significantly reducing manual data processing time in the <b>end-to-end hiring process</b> .	
• Collaborated in an <b>Agile team</b> of 6 to design, deploy, and secure the application using <b>security roles</b> to ensure data integrity and confidentiality.	

  

<b>DRDO, Student Trainee</b> ( <a href="#">Certificate</a> )	<b>Dec 2023 – Jan 2024</b>
• Completed an image processing learning task on <b>optical flow</b> by studying and implementing the <b>Horn-Schunck</b> and <b>Lucas-Kanade</b> methods using <b>MATLAB</b> .	

## Projects

<b>Mono-to-Stereo Image Generation using GANs</b>   <i>PyTorch, Computer Vision</i>   <a href="#">GitHub</a>	<b>2025</b>
• Developed and engineered a <b>Pix2Pix GAN</b> model to synthesize realistic depth-aware stereo image pairs from a single monocular input, offering a cost-effective alternative to LiDAR.	
<b>E-commerce Test Automation Framework</b>   <i>Java, Selenium, TestNG</i>   <a href="#">GitHub</a>	<b>2025</b>
• Built a data-driven testing framework with <b>Java/Selenium</b> , automating core e-commerce functionalities and integrating <b>ExtentReports</b> for efficient debugging.	
<b>ReVoice</b>   <i>Transformers, PyTorch, Librosa</i>   <a href="#">GitHub</a>	<b>2024</b>
• Developed an end-to-end voice conversion system using <b>Whisper</b> and a <b>Tacotron2/HiFi-GAN</b> vocoder to increase digital communication accessibility.	
<b>Unsupervised ML 101</b>   <i>Python, Scikit-learn, Kaggle</i>   <a href="#">Clustering Notebook</a> , <a href="#">Dim. Reduction Notebook</a>	<b>2023</b>
• Created <b>open-source</b> Jupyter notebooks for a comprehensive study of <b>PCA, LDA, SVD, t-SNE, and MDS</b> , along with detailed analysis and results.	

## Leadership & Activities

<b>Photography Club, SIT Pune</b>   <i>President</i>	<b>July 2024 – Aug 2025</b>
• Organized <b>various events</b> and led <b>workshops</b> on advanced techniques, increasing club visibility and member engagement.	
<b>AirGuruji</b>   <i>Cloud Computing Content Creator Intern</i>	<b>2023 – 2024</b>

## Community Engagement

- Provided strategic support to non-profits (Animal Angels, Read-A-Story, Mountain Village Foundation).

## Achievements

- Awarded the title of **Ms. Symbifit** in two consecutive years, accompanied by a **₹10K cash prize**.
- Awarded the **Gold Medal** in **Powerlifting** at six consecutive inter-college competitions; yellow belt in **Kickboxing**.
- Created a video guide outlining a roadmap for student aspirants, increasing applicant engagement. ([Video](#))
- Completed the **Mental Health Champion Programme** by SCEW. ([Certificate](#))