

# KALYANI TEWARI

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## Education

### Symbiosis Institute of Technology, Pune

2022 - 2026

*Bachelor of Technology in Artificial Intelligence & Machine Learning*

*CGPA: 8.75*

### St. Mary's Convent College, Nainital

Grad. 2022

*ISC - Science Stream (Computer Science)*

*93.00%*

## Skills

**Languages:** Java ([Fitness Tracker App](#)), Python, C, SQL, JavaScript, SQL, 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

### Microsoft, Consultant Intern ([Certificate](#))

June 2025 – July 2025

- Developed a comprehensive **Power Platform solution** (Canvas App, Model-Driven App, Power Automate flows) and built a **Copilot agent** for automation, significantly reducing manual data processing time in the **end-to-end hiring process**.
- Collaborated in an **Agile team** of 6 to design, deploy, and secure the application using **security roles** to ensure data integrity and confidentiality.

### DRDO, Student Trainee ([Certificate](#))

Dec 2023 – Jan 2024

- Completed an image processing learning task on **optical flow** by studying and implementing the **Horn-Schunck** and **Lucas-Kanade** methods using **MATLAB**.

## Projects

### Mono-to-Stereo Image Generation using GANs | *PyTorch, Computer Vision* | [GitHub](#)

2025

- Developed and engineered a **Pix2Pix GAN** model to synthesize realistic depth-aware stereo image pairs from a single monocular input, offering a cost-effective alternative to LiDAR.

### E-commerce Test Automation Framework | *Java, Selenium, TestNG* | [GitHub](#)

2025

- Built a data-driven testing framework with **Java/Selenium**, automating core e-commerce functionalities and integrating **ExtentReports** for efficient debugging.

### ReVoice | *Transformers, PyTorch, Librosa* | [GitHub](#)

2024

- Developed an end-to-end voice conversion system using **Whisper** and a **Tacotron2/HiFi-GAN** vocoder to increase digital communication accessibility.

### Unsupervised ML 101 | *Python, Scikit-learn, Kaggle* | [Clustering Notebook](#), [Dim. Reduction Notebook](#)

2023

- Created **open-source** Jupyter notebooks for a comprehensive study of **PCA, LDA, SVD, t-SNE**, and **MDS**, along with detailed analysis and results.

## Leadership & Activities

### Photography Club, SIT Pune | *President*

July 2024 – Aug 2025

- Organized **various events** and led **workshops** on advanced techniques, increasing club visibility and member engagement.

### AirGuruji | *Cloud Computing Content Creator Intern*

2023 – 2024

- Created educational content and visual resources on core cloud computing (AWS) concepts, simplifying complex topics for a wide audience. ([Instagram](#))

## 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](#))