



Pooja Shinde
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Bachelor of Technology in Computer Science
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EDUCATION

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| • Maulana Azad National Institute of Technology, Bhopal | 2023–present |
| <i>B.Tech Computer Science Engineering</i> | |
| | 7.76 |
| • Vinay Bal Mandir High School, Khargone | 2022–23 |
| <i>MP Board 12th PCM</i> | |
| | 86.6% |
| • Aaditya Vidya Vihar Higher Secondary School, Khargone | 2020–21 |
| <i>CBSE 10th</i> | |
| | 95.4% |

EXPERIENCE

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| • Research Internship - Medical Image Denoising | May–June 2025 |
| <i>Under the guidance of Dr Anil Kumar, IIITDM Jabalpur</i> | |
| – Preprocessed and augmented over 3,000 DICOM CT scan slices using <code>pydicom</code> , added Gaussian and Poisson noise, and trained a U-Net-based deep learning model for high-fidelity denoising. | |
| – Implemented end-to-end image denoising pipeline and evaluated performance with average PSNR of 32.5 dB and SSIM of 0.88 on test CT slices. | |
| • ISTE SC MANIT | June 2025–present |
| <i>Maulana Azad National Institute of Technology, Bhopal, Madhya Pradesh</i> | |
| – Led national-level tech and cultural events including <i>Version Beta</i> and <i>Chimera</i> , organizing hackathons, coding contests, speaker sessions, and workshops with 5,000+ participants. | |
| – Secured sponsorships (GeeksforGeeks, Coding Ninjas), managed offline PR across 20+ colleges, and coordinated guest relations during Anubhuti. | |

PERSONAL PROJECTS

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| • Smart Petrolpump Inventory System | June 2025 |
| <i>Full-stack web app for petrol pump management</i> | |
| – Tools: Flask, MongoDB, HTML, CSS, JavaScript | |
| – Developed a full-stack inventory and sales management system with login/authentication, role-based dashboards, and a mobile-responsive UI, improving user efficiency by 40%. | |
| – Built 6+ core modules including sales tracking, employee/tanker log management, real-time data filtering, and PDF/CSV export functionality. | |
| – Visualized key metrics using dynamic charts and implemented manual notification features to simulate real-world petrol pump workflows. | |
| • Weather Forecast App | March 2025 |
| <i>GUI-based real-time weather forecasting application using OpenWeatherMap API.</i> | |
| – Tools: Python, PyQt5, OpenWeatherMap API, REST, QSS | |
| – Built a visually intuitive weather app using PyQt5 that fetches live weather data and displays temperature, condition, and emojis based on weather codes. | |

TECHNICAL SKILLS

Languages: C, C++, Python, MongoDB, HTML, CSS, JavaScript,

Frameworks & Libraries: TensorFlow, OpenCV, NumPy, Pandas, Matplotlib, Seaborn, pydicom

Tools: VS Code, Jupyter Notebook, Pycharm, M

Soft Skills: Communication, Teamwork, Leadership, Time Management

Coursework: DSA, OOP, DBMS

POSITIONS OF RESPONSIBILITY

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| • Quizzer Head,ISTE SC MANIT | June 2025 – Present |
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ACHIEVEMENTS

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| •Version Beta Conclave, ISTE SC MANIT | 2024 |
| •Chimera Conclave, ISTE SC MANIT | 2025 |
| •Completed Forage job simulations for Goldman Sachs (Operations) and Deloitte (Data Analytics), gaining hands-on experience in data-driven decision-making, risk assessment, and business reporting | |
| June 2025 | |
| •Solved 150+ DSA problems on LeetCode, GFG, and Coding Ninjas | |