



Pooja Shinde

Roll No.: 2311201125

Bachelor of Technology in Computer Science

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EDUCATION

• 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 Vihara Higher Secondary School, Khargone	2020–21
<i>CBSE 10th</i>	95.4%

EXPERIENCE

• 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 <i>Anubhuti</i> .	

PERSONAL PROJECTS

• 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

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

• 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	