

NEERAJ CHAURASIA



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<https://github.com/Neeraton>



EDUCATION

St. Francis Institute of Technology, Mumbai – Mumbai University
Bachelors in Electronics and Telecommunication Engineering
CGPA: **9.34** | Honours in Data Science

Year: **2021 – 2025**

Bethel Academy, Prayagraj – CBSE
Higher Secondary Education
Percentage: **82.4%** | PCM

Year: **2018 – 2020**

PROJECTS

Surveillance Robot [Jul 2023 – Oct 2023]

- Developed a robotic surveillance system featuring 180° pan and 90° tilt, streaming 1080p video for real-time monitoring.
- Built a web interface, reducing manual surveillance time by 40%.
- Technologies:** Python, OpenCV, Flask, ESP32 with CAM, Raspberry Pi.
- Upgrading as part of our final year major project.
- Secured 2nd place in Genesis, an intracollege technical competition organized by SFIT.
- Project link:** <https://github.com/Neeraton/Advanced-Surveillance-and-Multi-Utility-Rover>

Smart Electronic Voting Machine (EVM) [Jan 2023 – Apr 2023]

- Designed an EVM system for streamlined vote casting and tallying, improving efficiency by 30% for 10,000+ voters, with implemented security features for vote integrity.
- Technologies:** C/C++, Arduino, Pi, Security Algorithms.
- Project link:** <https://github.com/Neeraton/Smart-Electronic-Voting-Machine>

PROFESSIONAL EXPERIENCE

Project Intern – Water Body Detection

Jan 2024 – May 2024

- Detected and mapped 150+ water bodies using image processing with 95% accuracy.
- Tools:** OpenCV, TensorFlow.
- Project:** <https://github.com/Neeraton/Scanning-the-Earth-Surface-for-Water-Bodies>

AI-ML Virtual Internship – AICTE

Apr 2024 – Jun 2024

- Gained hands-on experience in AI/ML, working on real-world datasets for predictive modeling.
- Enhanced skills in Python, TensorFlow, and Scikit-learn.
- Link:** <https://github.com/Neeraton/Cotton-Plant-Disease-Prediction-/tree/main>

SKILLS

LANGUAGES: Proficiency in: Python; Familiar with: C, C++, Java (Basic)

AI/ML: Machine Learning, Deep Learning, Image Processing, NLP

OTHER: Data Base Management, Data Structures, SQL, Problem-solving, Adaptability, Communication, Team Leading

CERTIFICATIONS

- Geodata Processing with Python – IIRS, Dehradun (ISRO)
- Geo-data Sharing & Cybersecurity – IIRS, Dehradun (ISRO)
- Python Course – NIELIT, Calicut
- Career Essentials in Generative AI – Microsoft and LinkedIn