

# NIRLEP SANAP

## SOFTWARE ENGINEER | AIML • FULL STACK • CYBERSECURITY

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### SUMMARY

B.Tech undergraduate specializing in Artificial Intelligence & Machine Learning (CGPA: 8.44) with hands-on experience across AI/ML systems, full-stack web and app development and cybersecurity. Built real-time AI applications, web platforms, and digital forensics tools, with practical exposure to incident response and cyber investigations through internship experience at Maharashtra Cyber State Police.

### PROFESSIONAL EXPERIENCE

#### Maharashtra Cyber State Police Sep 2025 -Present

- Assisted in investigating and analyzing cyberattack cases, performing threat detection, digital evidence collection, and incident reporting under senior officers.
- Supported cyber forensics and network security operations, gaining hands-on experience with government-level cybersecurity tools and practices.

#### Android Developer - LazyDeveloper Private Limited JUL 2025 -Sep 2025

- Developed responsive Flutter apps from Figma designs, following Material Design principles for consistent UI.
- Built reusable widgets, managed app state, and handled APK builds for QA and production.
- Collaborated with designers for pixel-perfect UI and used Git/GitHub for version control and teamwork.

#### Full Stack Web Developer - Agrawal Packers and Movers Ltd FEB 2023 - JULY 2023

- Developed web applications and a WhatsApp chatbot using React, Node.js, and MongoDB to automate communication and improve workflow efficiency.
- Handled end-to-end development, managing both frontend and backend tasks while collaborating with cross-functional teams to meet project goals.

#### Frontend Developer - Winsple Internship JAN 2023 - FEB 2023

- Developed responsive web interfaces using HTML, CSS, and JavaScript to enhance user experience across devices.
- Collaborated with designers to translate UI concepts into functional, visually consistent web pages.

### SKILLS

- Programming Languages: Python, Java, C, C++, R
- Frontend Development: HTML, CSS, JavaScript, React.js, Flutter
- Backend Development: Node.js, Express.js, PHP, Laravel, Django, Flask, Firebase
- Database Technologies: SQL, MongoDB, Firestore
- AI & LLMs: Machine Learning, Computer Vision, NLP, Prompt Engineering, AI Automation
- Libraries & Tools: NumPy, Pandas, OpenCV, YOLO
- Cybersecurity & Digital Forensics: Log Analysis, Incident Response, Evidence Collection, Case Documentation

### PROJECTS EXPERIENCE

#### Real-Time Object Detection using YOLO

- Created a real-time object detector with voice alerts like “person on your left.”
- Added text reading and smooth, non-repetitive voice feedback

#### Automated Network Forensics Analysis and Reporting System

- Built an automated network forensics system in Python to analyze PCAP traffic and generate forensic investigation reports.
- Implemented protocol analysis, top-talker detection, SHA-256 integrity checks and rule-based threat analysis.

#### Movie Recommendation System

- Developed a personalized recommendation engine using machine learning
- Leveraged user preferences, viewing history, and ratings to enhance engagement

#### WhatsApp Chatbot Ai

- Built an AI-powered chatbot using Glitch and Facebook Meta API.
- Integrated with WhatsApp Cloud API to automate customer interaction, bookings, and Image uploading.

### EDUCATION

#### Bharati Vidyapeeth Deemed University

B.Tech in Computer Science Engineering in Artificial Intelligence & Machine Learning | 2023 – 2026 | CGPA: 8.44/10

#### Goverment Polytechnic Mumbai

Diploma in Computer Engineering | 2020-2023 | 1st class Distinction- 70%

#### PVG Vidya Bhawan School

SSC | 2010 – 2020 | 81.80%

