# SAKSHI VINOD PODHADE

**AI & DATA SCIENCE | MACHINE LEARNING | SOFTWARE DEVELOPMENT**

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## PROFESSIONAL SUMMARY

Final-year Artificial Intelligence and Data Science engineering student with a CGPA of 9.38/10 and internship experience in data science, cybersecurity and digital marketing. Hands-on experience developing machine learning and computer vision models, analyzing datasets and building web and mobile applications. NPTEL Elite certified in Generative AI and Large Language Models.

## EDUCATION

**SIES Graduate School of Technology, Nerul** 2023 – Present
Bachelor's degree in Artificial Intelligence and Data Science | University of Mumbai | CGPA: 9.38/10

**Jaipuriar School:** Class XII, CBSE | 81% | 2023

**Ryan International School:** Class X, CBSE | 94% | 2021

## TECHNICAL SKILLS

**Programming:** Python, Java, C, SQL, HTML, CSS

**AI & Machine Learning:** Machine learning, deep learning, CNNs, computer vision, U-Net++, EfficientNet-B4, YOLOv5, OpenCV, Pandas, scikit-learn, generative AI, LLMs, feature engineering, cross-validation

**Development & Tools:** React, FastAPI, Flutter, Firebase, PostgreSQL, Git, Docker, responsive web development

**Data Analytics:** Data analysis, data visualization, Power BI, Excel

**Cybersecurity:** Vulnerability assessment, penetration testing fundamentals, packet and log analysis, cryptography, digital forensics, OSINT, reverse engineering

## INTERNSHIP EXPERIENCE

**DARKNEXT | Cybersecurity Intern** Jul 2025 – Aug 2026
- Conducted vulnerability assessments and basic penetration testing in simulated environments to identify security weaknesses.
- Analyzed network packet captures and logs for suspicious activity; participated in challenges involving cryptography, reverse engineering and network analysis.

**Kiavi Suntech | Data Science Intern** Aug – Sep 2025
- Analyzed structured datasets using Python, Pandas and scikit-learn.
- Supported machine learning model development through feature engineering, cross-validation, data visualization and reporting.

**Brainheaters | Content & Digital Marketing Intern** Mar – Jun 2025
- Developed social media content, supported campaign planning and monitored campaign performance.
- Coordinated with team members to deliver digital creative assets within deadlines.

SAKSHI VINOD PODHADE | AI & DATA SCIENCE

## TECHNICAL PROJECTS

### Liver Metastasis Detection System

**Technologies:** U-Net++, EfficientNet-B4, React, FastAPI

- Developed a CT image segmentation prototype with image preprocessing and augmentation, and an interface to inspect predicted lesion regions.

### E-Waste Image Detection Model

**Technologies:** YOLOv5, computer vision

- Trained a custom object detection model on labeled e-waste images and implemented real-time webcam detection to support waste classification.

### Nirvaya – Mental Health Application

**Technologies:** Flutter, Firebase

- Built a wellness app with mood tracking, journaling, guided audio, chatbot support, authentication and real-time data storage.

### AI-Powered FRA Digital Governance Platform

- Designed a platform for digitizing Forest Rights Act claims, tracking documents and monitoring claim processing through analytics dashboards.

### Tarang Bharat – Glacier-Fed Flood Prediction

- Developed a disaster management prototype integrating environmental sensors, flood prediction, real-time monitoring, automated SMS alerts and a centralized portal.

### Zest – Fashion E-Commerce Website

- Developed an e-commerce platform with personalized product recommendations, catalog management, checkout and order tracking.

## CERTIFICATIONS

**NPTEL Elite | Indian Institute of Science Bangalore** Jul – Oct 2026

Fundamentals of Generative AI and Large Language Models: Theory and Practice | 77% | 12-week course

**IIT Bombay | Introduction to Embedded Systems** Jul 2026

Hands-on workshop covering digital I/O, PWM, motor control and ultrasonic sensor interfacing.

## ACHIEVEMENTS

**4th Place | Technovate CTF 2026** Apr 2026

National-level Capture the Flag competition, Ramrao Adik Institute of Technology. Challenges covered web security, cryptography, digital forensics, reverse engineering and OSINT.

**Top 10 Teams | ISRO Project Presentation, Mumbai**

Presented Tarang Bharat, a glacier-fed flood prediction project, and placed among the top 10 teams.

## LEADERSHIP

**Ladies Representative | Student Council & WDC** Jul 2025 – Jul 2026

- Coordinated student welfare initiatives, campus events, faculty communication and cross-committee operations.

**Design Coordinator | Women's Development Cell** Jun 2024 – Jun 2025

- Designed 50+ digital creatives and collaborated with 10+ team members to maintain consistent branding and timely delivery.

**Languages:** English, Hindi, Marathi