

Shreyash Daware

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SUMMARY

Results-driven AI/ML and Full-Stack Developer specializing in computer vision, deep learning, and scalable web architectures. Proven expertise in engineering high-throughput, real-time video analytics pipelines using YOLOv26 and ByteTrack for unique object estimation, achieving ~80% mAP. Proficient in architecting robust RESTful APIs with FastAPI and developing cross-platform React Native applications integrated with Firebase for data-driven solutions.

PROFESSIONAL EXPERIENCE

AI/ML Intern – xLogia Tech

Feb-Mar 2026

Python, PyTorch, OpenCV, YOLOv26, ByteTrack

- Engineered a Computer Vision solution for end-to-end wildlife detection and counting using YOLOv26, achieving 80% Mean Average Precision (mAP50) and 85% precision across 19 animal classes on a custom 10,000+ image dataset.
 - Developed and deployed multi-object tracking using ByteTrack to maintain persistent IDs across frames, resulting in a 70% reduction in duplicate counting for accurate unique animal estimation in videos.
 - Architected a high-throughput, real-time video analytics pipeline processing up to 40–50 frames per second (FPS), integrating bounding boxes, tracking IDs, and live species-wise counting overlays.
 - Optimized model inference and stability on low-resolution/low-quality video inputs by fine-tuning confidence thresholds and inference resolution, resulting in a 30% improvement in detection reliability under challenging conditions.
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PROJECTS

FarmVichar (AI-Driven Agricultural Platform) | [LINK](#)

Sep 2025

React Native, Firebase, FastAPI, Predictive Modeling

- Engineered FarmVichar, a full-stack, AI-driven agricultural platform for the Smart India Hackathon, and leveraged FastAPI to architect a scalable backend, including secure Bcrypt-authenticated RESTful APIs.
- Integrated Firebase NoSQL for scalable data management and developed multilingual AI chat and Predictive Modeling (commodity price prediction) features within a React Native cross-platform mobile application.

SKI Industrial Website (Corporate Web Development) | [LINK](#)

Jun 2025

Next.js, UI/UX, SEO

- Developed a fully responsive corporate website using Next.js for a bakery machinery manufacturer, delivering optimized UI/UX across all core pages (Home, About, Products, and Contact).
 - Spearheaded the deployment on Vercel, implementing SEO best practices, client-side routing, and performance optimizations to guarantee fast load times and optimal cross-device compatibility.
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EDUCATION

M.M College of Engineering, Pune, Maharashtra

Expected Graduation: Aug 2027

B.E in Artificial Intelligence & Data Science - **9.39 CGPA**

TECHNICAL PROFICIENCY

- Machine Learning & Deep Learning:** Deep Learning, Computer Vision (CV), Scikit-learn, CNNs, Hyperparameter Tuning, Object Detection, Multi-Object Tracking.
 - Full-Stack & Mobile Development:** MERN Stack, Next.js, FastAPI, RESTful APIs, Responsive UI/UX, Cross-Platform Development.
 - Programming & Tools:** Python (NumPy, Pandas, PyTorch), C++, Git/GitHub, MLOps Concepts.
 - Databases & Cloud:** SQL (DBMS), Firebase NoSQL.
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ACHIEVEMENTS

- Awarded 1st Place at the Poster Presentation Competition (Pi Day) held at Shri Savitribai Phule University (SPPU).
 - Secured the Consolation Prize in the Internal Smart India Hackathon (SIH) 2025 at the College Level.
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LEADERSHIP & SERVICE

- Coordinator for “Udaan” (student project showcase): Managed the end-to-end execution, coordinating logistics, collaborating with external evaluators, and facilitating the selection of winners.
- Treasurer for NEURA Technical Club: Managed budgeting and financial allocation for a college-wide technology hackathon, ensuring efficient resource utilization while coordinating logistics for participants, sponsors, and organizers.