

Dewansh Warjurkar

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PROFESSIONAL SUMMARY

Passionate AIML student and Full Stack Developer with experience in AI-powered systems, computer vision, and modern web technologies. Skilled in building scalable applications using Next.js, React, Firebase, Python, and machine learning frameworks. Developed multiple real-world projects including assistive navigation systems, AI healthcare tools, and responsive full-stack platforms. Open-source contributor in GirlScript Summer of Code (GSSoC)

EDUCATION

Shri Ramdeobaba College of Engineering and Management, Nagpur
B.Tech in Artificial Intelligence and Machine Learning — CGPA: 8.63

2023 – Present
Semester 7

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, TypeScript, SQL

Frontend: React.js, Next.js, Tailwind CSS, HTML5, CSS3

Backend: Firebase, Firestore, Node.js, SpringBoot

AI/ML: Machine Learning, YOLO, OpenCV, Computer Vision

Tools: Git, GitHub, VS Code, Oracle SQL, Premiere Pro

PROJECTS

RIANS – Risk-Based Assistive Navigation System

Computer Vision Project

- Developed a real-time assistive navigation system using YOLO-based object detection for obstacle awareness
- Implemented a custom risk-scoring mechanism based on object distance, position, and motion
- Designed audio-based spatial feedback to assist visually impaired users in navigation
- Planned integration of ByteTrack for multi-object tracking and persistent object identification

MediSense AI

AI Healthcare Analytics Project

- Developed a transformer-based system for analyzing hospital patient reviews using RoBERTa embeddings and XGBoost
- Processed and balanced 76k+ healthcare reviews from Yelp to perform 3-class sentiment classification with 86% accuracy
- Built an interactive analytics dashboard with visualizations including confusion matrix, ROC curve, and word clouds

Blood Lens

Dual-Stage Deep Learning Pipeline for Blood Cancer Detection

- Developed a dual-stage AI system for blood cell classification and leukemia subtype detection using CNN and MobileNetV2
- Implemented transfer learning and image preprocessing techniques for accurate medical image analysis on microscopic blood smear datasets
- Built an interactive web-based interface using Flask for real-time prediction of blood cell type and cancer subtype

VentIQ

AI-Powered HVAC Infrastructure Planning & Recommendation System

- Developed an intelligent HVAC recommendation platform that suggests optimal and scalable HVAC systems based on building size, occupancy, climate, and future expansion plans
- Implemented a hybrid AI + rule-based architecture for cooling load estimation, energy efficiency optimization, and cost-aware infrastructure planning
- Designed responsive dashboards and comparison modules to visualize HVAC recommendations, scalability analysis, energy savings, and long-term upgrade costs

GoShop

Full Stack E-Commerce Platform

- Developed a responsive e-commerce platform with authentication and product management
- Implemented cart workflows and modern UI components
- Focused on full-stack application architecture and responsive design

Portfolio Website

Personal Developer Portfolio

- Built a modern responsive portfolio using Next.js and Tailwind CSS
- Integrated project showcases, animations, and resume/CV download functionality
- Designed with focus on clean UI/UX and mobile responsiveness

EXPERIENCE

Web Development Intern

Jan 2026

Cognifyz Technologies

Remote

- Built responsive web pages using HTML, CSS, and JavaScript as part of internship tasks
- Implemented interactive UI components such as navigation menus, modal dialogs, and form validation from scratch
- Structured projects with semantic HTML and CSS custom properties, improving code readability and layout consistency
- Completed all internship tasks on schedule, refining debugging and version control habits through iterative submissions

Java Programming Intern

Jan 2026

CodeAlpha

Remote

- Built Java desktop applications using Swing, covering GUI design and event-driven programming
- Developed a Student Grade Tracker that stores marks and computes average, highest, and lowest scores across subjects
- Created a Hotel Reservation System with room search, booking, and cancellation workflows
- Used file I/O to persist reservation data between sessions

OPEN SOURCE CONTRIBUTIONS

GirlScript Summer of Code (GSSoC)

Open Source Contributor

- Contributed to collaborative open-source development projects
- Worked on improving platform functionality and development workflows

PrepNerdz

Contributor

- Enhanced the AskNerd chatbot with improved contextual intelligence and platform-related FAQs
- Worked on frontend improvements and responsive UI enhancements

CERTIFICATIONS

- Fundamentals of Deep Learning by NVIDIA
- Google Cloud Study Jams 2025

HACKATHONS & WORKSHOPS

- Smart India Hackathon
- Orange Promptathon
- Machine Learning and IoT Workshop

INTERESTS

- Artificial Intelligence and Machine Learning
- Computer Vision Research
- Full Stack Web Development
- Photography and Video Editing
- Open Source Contribution