




# Satvashil Bhosale

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 portfolio-umber-five-41.vercel.app

## SUMMARY

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Aspiring Data Science and Machine Learning Developer with expertise in predictive analytics, forecasting, and data-driven decision making. Skilled in building intelligent applications using Machine Learning, Deep Learning, Computer Vision, and NLP. Strong experience in time-series forecasting, model deployment, and integrating ML models with APIs, databases, and visualization tools for real-world applications.

## EDUCATION

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**D. Y. Patil Agriculture and Technical University, Talasande**

B.Tech in CSE (AI & ML)

2022–2026 (*Expected*)

CGPA: 9.23

## TECHNICAL SKILLS

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- **Languages:** Python, C++, JavaScript, HTML, CSS, SQL
- **AI/ML & GenAI:** LLMs, RAG, LangChain, Hugging Face, NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, OpenCV, TensorFlow, Keras
- **Databases:** MySQL, PostgreSQL, MongoDB, Vector Databases (Pinecone, FAISS)
- **Tools & Platforms:** Git, Docker, Power BI, Excel, Jupyter, VS Code, Streamlit
- **Other:** Data Cleaning, ETL, Data Visualization, Model Deployment, Cloud Basics (AWS/GCP)

## PROJECTS

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- **Stock Market Prediction & Forecasting Web App** – Developed a Streamlit + Flask full-stack app with Keras models, moving averages, technical indicators, and API-driven news sentiment analysis for stock price forecasting.
- **AI-Powered Resume Screening System** – Built NLP + LLM-based backend API to analyze and rank resumes; integrated ML models with Flask for deployment.
- **Smart Attendance System Using Face Detection** – Deployed OpenCV-based recognition system with automated Excel/DB updates.
- **Violence Detection System** – Implemented YOLO-based video detection pipeline with backend integration for real-time alerts.
- **Blinkit Sales Analysis Using Python** – Performed end-to-end data preprocessing, visualization, and trend analysis.
- **Global Food Production Trends (1961–2023)** – Designed interactive dashboards using Power BI.
- **AI-Powered Skin Cancer Detection** – Trained CNN model and exposed prediction API for healthcare use case.

## EXPERIENCE

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**AI/ML Intern – A3 Services, Pune**

July 2025–sept 2025

*Onsite Internship*

- Developed and optimized ML models for OCR-based document processing.
- Worked on visual inspection systems using Computer Vision for defect detection and quality analysis.
- Contributed to backend APIs connecting AI models with production systems.

- Developed ETL pipelines for data preprocessing and transformation.
- Designed dashboards in Power BI/Excel to track KPIs and business metrics.
- Assisted in backend model integration for predictive analytics.
- Collaborated with cross-functional teams to deliver AI-driven insights.

## **EXTRACURRICULAR & ACHIEVEMENTS**

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- Selected for Phase 2 of RIT Hackathon 2025
- Participated in Abdul Kalam Research Fellowship (Plastic Pollution Research)
- Active open-source contributor on GitHub

## **CERTIFICATIONS**

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Python – LearnX (2024)    Power BI – NASSCOM (2025)  
Data Analysis – GrowAI (2025)    Full Stack Development – Apna College (2024)  
Machine Learning with Python – Coursera (2025)    SQL for Data Science – Coursera (2025)  
Generative AI with LLMs – Coursera (2025)

## **SOFT SKILLS**

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Problem Solving, Data Engineering, Analytical Thinking, Communication, Teamwork, Project Management