

# Sharvari Patil

patilsharvari184@gmail.com | +91 8010959478 | linkedin/sharvari-patil | github.com/patilsharvari184

## Education

**D. Y. Patil College of Engineering Technology**, B.Tech

Dec 2021 – May 2025

Artificial Intelligence & Machine Learning

- CGPA: 8.0/10.0

## Experience

**Python Developer Intern (Gen AI)**, Benchmark IT Solutions – Pune

Jan 2025 – Sep 2025

- I am working on Deep Learning, software development and data analytics projects to enhance my technical skills.
- I Collaborate with cross-functional teams to design, develop, and optimize applications using tools like Python, SQL, and machine learning frameworks.
- Additionally, I contribute to data-driven decision-making by analyzing datasets and providing insights to support business growth.

**Research Intern**, SAC, ISRO – Ahmedabad

Aug 2024 – Nov 2024

- Worked with INSAT 3D satellite data, processing TIFF images using rasterio to create time-series datasets for cloud image prediction.
- Developed and optimized a ConvLSTM model for spatiotemporal data, focusing on hyperparameter tuning and performance evaluation using Mean Bias Error (MBE).
- Applied deep learning techniques such as CNN, ConvLSTM, and Conv2D to accuracy of weather forecasting through advanced AI solutions.

**Intern**, Skylark Global BPO – Kolhapur

June 2023 – July 2023

- Gained hands-on experience in data analysis and business process optimization.
- Worked on data-driven projects, focusing on extracting insights to improve operational efficiency and decision-making.
- collaborated with cross-functional teams to streamline workflows and enhance data management processes.

## Projects

**Smart attendance system using face recognition**

Github

- Developed an automated attendance system using Flask, OpenCV, and KNN for real-time face recognition, enhancing ML, computer vision, and web development skills.
- Tools Used: Flask, OpenCV, Scikit-learn

**Instant AI-Powered Assistance**

2025

- Developed an AI assistant to provide real-time answers about appointments, inventory, and cleaning schedules, improving operational efficiency and decision-making for resort and property managers.
- Tools Used: FastAPI, MySQL, Google Generative AI, HTML, JavaScript, mysql-connector

**Sequential Model for Cloud Image Prediction**

2024

- Built a ConvLSTM2D model to predict satellite cloud images, enhancing weather forecasting accuracy with strong MSE, SSIM, and PSNR metrics for environmental and disaster management applications.
- Tools Used: TensorFlow, Google Earth Engine, Rasterio, NumPy

## Technologies

**Languages:** Python, SQL

**Tools Technologies:** AWS Cloud, Git, GitHub

**Machine Learning:** Scikit-learn, Predictive Modeling, Algorithms, Statistics

**Deep Learning:** TensorFlow, PyTorch, ANN, CNN

**Generative AI LLM Ecosystem:** LLM, LangChain, Vectors, Transformers

**Data Visualization BI Tools:** Matplotlib, Seaborn, Tableau, PowerBI

## Online Coding Profiles

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**CodeChef:** [codechef.com/users/code\\_learn](https://codechef.com/users/code_learn)  
**Hackerrank:** [hackerrank.com/patilsharvari184](https://hackerrank.com/patilsharvari184)  
**Google Cloud:** [www.cloudskillsboost.google/public\\_profiles](https://www.cloudskillsboost.google/public_profiles)

## Certifications

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- AWS Cloud Foundation
- Microsoft AI Skill Challenge
- Azure AI Fundamentals Challenge
- Introduction to Gen Ai by Google Cloud
- Postman API Student Expert Certification Postman API
- NPTEL Machine Learning by IIT Kharagpur
- AIML virtual Internship by AWS academy AICTE
- Google Analytics for Beginners

## Roles & Responsibilities

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<b>Placement Coordinator</b> , Training & Placement Cell – DYP CET	June 2023 – July 2024
• Facilitated campus recruitment and supported students and employers.	
<b>Ladies Represntative</b> , ASPIRE Student Club – DYP CET	June 2023 – Aug 2024
• Advocated for student needs, organized inclusive events, and addressed club concerns.	

## Extra-Curricular Activities

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<b>Lance Corporal</b> , National Cadet Corps (NCC) – DYP CET	June 2023 – Aug 2024
• Joined NCC, shaping youth for leadership with discipline and service.	
• It fosters nation building by instilling duty, discipline, and moral values in youth.	
• Actively participated in NCC camps, gaining exposure to social service, discipline, and adventure training.	