

# Jahnvi Paliwal

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## OBJECTIVE

To deep-dive into root-causes created from the solutions through interdisciplinary-research and wide-range of skill sets I procure.

## EDUCATION

**Institute of Engineering and Technology, Mohanlal Sukhadiya University**

*Bachelor of Technology, Major in Computer Science | CGPA: 7.7*

Udaipur, IN

*Dec. 2023 – Sep 2027*

## EXPERIENCE TRAJECTORY

### AI Developer Intern

May 2025 – November 2025

*BPaaS Proceedit*

*(Remote) Barcelona, Spain*

- Built a day-by-day error correction model using ResNet-LSTM and asset value prediction models using XGBoost and Autoencoder + CatBoost, achieving 98.7% accuracy.
- Enabled 50% workload Redistribution across multiple algorithms via GraphQL API integration, reducing costs, server load, and production.

### AI Developer Intern

April 2025 - June 2025

*CollegeTips.in*

*(Remote) Mumbai, IN*

- Developed a multilingual AI chatbot with voice input/output and backend integration
- Researched and integrated multiple AI models (GPT-3, OLLMA, Perplexity), analyzing performance and generating reports to finalize GPT-3 for production.

### Intern- Trainee

November 2024 - December 2024

*Marvik Academy for Technical Education—MATE*

*(On-site) Udaipur, IN*

- Contributed to the development of a Flutter-based notes app, handling Dart-based coding for key app functionalities and data persistence features. Assisted in optimizing the productivity features of the app, ensuring smooth user experience and efficient data handling.

## PROJECTS [AVAILABLE ON GIT/PROFILE]

### Product-performance retrival Agent | *OpenAI- gpt3, RAG, TfidfVectorizer, Logistic Regressor,Streamlit*

2025

- Built local AI agent using OpenAI integration, logistic regression to deliver NPS scoring, sentiment trends, predictive analytics, and category-wise reports with chatbot interface.
- Solved fragmented review analysis by providing secure, role-based insights that uncover product strengths/weaknesses, forecast trends, and drive data-backed decisions to boost customer satisfaction.

### Cognitive Stress Analysis | *Core Libraries-librosa, nltk, scikit-learn, pandas, Algorithms- Isolation Forest*

2025

- Provides a framework for analyzing speech patterns to detect potential cognitive stress.
- The system evaluates audio input to generate quantitative metrics, as well as comparative assessments of cognitive(stress) load on the speaker.

### MediHelper | *TensorFlow, Python, Pandas, NumPy, SQLite, ML Algorithms*

2025

- MediHelper uses AI to help users manage skin health concerns and healthcare costs more effectively
- Aimed to provide accurate insights for better user experience and health management, with efficient data storage and fast retrieval

### Intelligent Brawl Monitor | *TensorFlow, Python, Pandas, OpenCV, NumPy, Email Automation*

2024

- Detects aggression from any human being and gives an alert as an SOS to the email IDs provided.
- It highlights the functionalities for applications in security, workplace safety, and smart home systems

## TECHNICAL & MISCELLANEOUS SKILLS

**Core concepts:** NLP, Computer Architecture\*, Deep Learning, ANN, Machine Learning, LLM, RAG, Agentic AI, Image detection, Face Recognition, Object Tracking, Pose estimation, CNN

**Programming:** Python, Java, Git VCS, C/C++ with GTests, Object-Oriented Programming (OOPs), Linux Commands, Golang\*, DSA

**Software/Libraries:** VSCode, PyCharm, Django, OpenCV, OpenPose, Anaconda, TensorFlow, Keras, Scikit-Learn

**Office Tools:** MS Office- Word, Powerpoint, Excel, Visio/Draw.io, LaTeX | \*Elementary Proficiency

## CERTIFICATIONS

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**NVIDIA:** Fundamentals of Deep Learning | Generative AI with Diffusion Models

**INFOSYS:** Computer Vision 101 | Intro to Deep Learning | NLP Fundamentals and Practice

**UDACITY:** Foundation of Generative AI

**KAGGLE:** Intermediate Machine Learning | Machine Learning Explainability

**OPENCV:** OpenCV Bootcamp, 2024

**EDX:** Machine Learning with Python | Introduction to Microprocessors

**UDEMY:** Advanced Database and SQL Querying | Linux Tutorial with Caddy and Timex | VSD-Circuit Design and SPICE Simulations-Part 1

**ORACLE:** Oracle Database Foundations Certified Junior Associate

**DATAFLAIR:** Introduction to C and C++ Programming

## OTHER ACTIVITIES

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- Ongoing research on prediction of vulnerability lifetime and security limitations of network nodes during CRYSTALS-Kyber conversion, 2026
- Actively participating in contests, webinars, and hackathons like Google's AI for Impact and Kaggle, 2025
- Volunteered at Aarohan Youth Fest Udaipur with 500+ participants as an event organizer, 2024
- Received scholarship for Bertelsmann Udacity on advanced Generative AI courses and certifications, 2024.
- Accomplished in Gen AI intensive challenge courses by Kaggle with Google, 2024
- Serving as an NSS candidate for women empowerment and purpose in civic mindsets, 2024.
- Secured among the top 1000 students who completed the certification race by Oracle University, 2023.
- Participated in contests like Google Hackathon for coding and SIET space quizzes, 2021.
- Volunteered with the Mukul Madhav Foundation and participated in food donation drives during the COVID-19 pandemic, 2020.

*References:* Available upon request