

Jahnvi Paliwal

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EDUCATION

Institute of Engineering and Technology, Mohanlal Sukhadia University
Bachelor of Technology, Major in Computer Science | CGPA: 7.7

Udaipur, IN

Jun 2023 – Jun 2027

EXPERIENCE

AI Developer Intern May 2025 – Nov 2025
BPaaS Proceedit (Remote) Barcelona, Spain

- Delivered novel ML/Deep Learning models achieving **98.7% accuracy**, outperforming single-model baselines.
- Integrated models via GraphQL API, enabling **50% workload redistribution** and reducing server costs/load.

AI Developer Intern Apr 2025 – Jun 2025
CollegeTips.in (Remote) Mumbai, IN

- Developed multilingual AI chatbot with voice I/O, backend integration (FastAPI-PostgreSQL), and production deployment.
- Designed front-end web interfaces (React/Flask); one adopted for production use.

Software Engineering Intern Nov – Dec 2024
Marvik Academy (MATE) (On-site) Udaipur, IN

- Built Flutter notes app with data persistence (SQLite) and custom productivity features; adopted by staff and distributed to students.

SKILLS

Languages: Python, Java, C/C++ with GTests, Golang*, HTML, CSS, Javascript, JSON, Dart

ML/AI: RAG, Agentic AI, NLP, Deep Learning, Machine Learning, LLM, CNN, DSA

Frameworks/Tools: Git version control, Object-Oriented Programming (OOPs), Linux Commands, REST API, Graphql, VSCode, PyCharm, Django, OpenCV, OpenPose, Anaconda, TensorFlow, Keras, Scikit-Learn, Docker, Flask

Databases: PostgreSQL, MongoDB, SQLite, SQL, Pandas

Other: Computer Architecture*, MS Office- Word, Powerpoint, Excel, Visio/Draw.io, LaTeX | *Elementary Proficiency

PROJECTS

Product Performance Retrieval Agent | *OpenAI GPT-3, RAG, TfidfVectorizer, Logistic Regressor, ARIMA* 2025

- Built AI agent for file+prompt analysis delivering NPS scores, category insights, timelines, 4-9 month forecasts using RAG + custom TfidfVectorizer/Logistic Regressor trained on self-created labeled dataset.
- Engineered LSTM prompt understanding + fine-tuned ARIMA forecasting with complete end-to-end Streamlit frontend featuring metadata extraction, growth graphs, and best/worst product analysis.

Cognitive Stress Analysis | *librosa, nltk, Isolation Forest, Google Speech Recognition, Flask, Streamlit* 2025

- Built real-time speech analysis system using Google Speech Recognition for live recording + file upload, extracting pitch, hesitation ratio, speaking speed, sentence length, and word count metrics.
- Applied sentiment analysis & Isolation Forest anomaly detection to generate cognitive stress scores (0-10 scale) with Flask and hosted Streamlit frontends supporting result downloads.

MediHelper | *TensorFlow CNN, Django, Python, Pandas, NumPy, SQLite, HTML/CSS/JS* 2025

- Developed CNN classification model trained on skin disease images to identify conditions, causes, treatments, and remedies with production-ready accuracy.
- Built full-stack Django web application with dynamic frontend (HTML/CSS/JS), informative disease pages, image upload, and SQLite backend for efficient data management.

Intelligent Brawl Monitor | *OpenCV, Google Pose Estimator, Facial Expression CNN, Email Automation* 2024

- Integrated Google Pose Estimator + object detection to track 2-person frames, extracting elbow/shoulder/wrist angles and velocity changes for movement/aggression detection.
- Deployed facial expression CNN with geometric calculations to trigger SOS email alerts when both detected individuals show angry expressions + fighting poses.

CERTIFICATIONS

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

- 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