

# Palki Sachdeva

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## Education

**Deenbandhu Chhotu Ram University of Science and Technology**  
B.Tech in Computer Science and Engineering (Data Science)

Murthal, Haryana  
Dec 2021 – Jun 2025

**Amity International School**  
Senior Secondary Certificate – 97.6%

Gurgaon, Haryana  
Apr 2019 – May 2021

**Blue Bells Model School**  
Secondary Certificate – 97.8%

Gurgaon, Haryana  
Apr 2007 – May 2019

## Experience

**Data Science Intern, *Daas Labs*** — Gurgaon, Sector 27

Feb 2025 – May 2025

- Worked with LangChain, Ollama, RAG pipelines, and Poetry to build data-driven workflows, including demand forecasting
- Applied machine learning models to extract insights and identify patterns from complex datasets

**Data Scientist Intern, *Cognifyz Technologies*** — Remote

Jul 2024 – Aug 2024

- Leveraged advanced data science techniques to uncover meaningful patterns and drive data-informed decision-making
- Performed exploratory data analysis and implemented statistical models to optimize business outcomes

**React Developer Intern, *ShopClues*** — Gurgaon

Jul 2023 – Aug 2023

- Built responsive and dynamic UI components using React for an e-commerce platform
- Integrated user authentication, product listing, and cart management functionalities

## Projects

**Speak Ease** | *Python, Transformers, Flask, NLP*

- Developed an NLP-powered web application providing text summarization, text-to-speech conversion, language detection, and translation services
- Integrated Transformer models for enhanced language processing capabilities with 90% accuracy

**Diamond Price Prediction** | *Python, Flask, MongoDB, ML*

- Built a machine learning application achieving 95% prediction accuracy for diamond pricing
- Executed comprehensive data preprocessing techniques and feature engineering for predictive modeling, enhancing prediction accuracy by 25% while refining model evaluation metrics including  $R^2$ , MSE, MAE, and RMSE

**Background Removal System** | *Python, OpenCV, Computer Vision*

- Created a real-time background removal tool using computer vision techniques
- Applied image segmentation algorithms to isolate foreground objects with 88% accuracy

## Skills

**Programming:** Python, C/C++, SQL (MySQL), MongoDB, JavaScript, HTML/CSS

**Machine Learning:** TensorFlow, PyTorch, Keras, Scikit-learn, Regression, Classification, Neural Networks

**Data Science:** Pandas, NumPy, SciPy, Data Analysis, Statistical Modeling, Visualization (Matplotlib, Seaborn)

**Development:** Flask, Git, React, REST APIs, Bootstrap, Streamlit, LangChain, Poetry

**AI/ML:** NLP, Computer Vision, Deep Learning, NLTK, Transformers, OpenCV

**Soft Skills:** Clear technical communication, Effective public speaking, Team collaboration, Analytical thinking

## Certifications

- Data Science and Machine Learning Bootcamp (Udemy - Jose Portilla)
- Complete Data Science, ML, DL, NLP Bootcamp (Udemy - Krish Naik)
- Data Science and Python (Ducat-Sector 14, Gurgaon)

## Co-Curricular Activities

- Technova 2022 - 2<sup>nd</sup> Position, Group Discussion Competition
- Canvas Clash - 3<sup>rd</sup> Position, Painting Competition