

# Yashika Jain

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## EDUCATION

| Degree                                      | Institute                               | CGPA         | Year |
|---|---|--------------|------|
| B.Tech/ <b>Computer Science Engineering</b> | Shri Ramdeobaba College of Eng. & Mgmt. | <b>8.7</b>   | 2026 |
| Senior Secondary/ <b>12th</b>               | Centre Point                            | <b>89.4%</b> | 2022 |
| Secondary/ <b>10th</b>                      | Mount Carmel School                     | <b>90.0%</b> | 2020 |

## EXPERIENCE

- Techwalnut** July 2024 - Present  
*AI Intern*
  - Built an AI inventory system using **Python & TensorFlow**, improving accuracy by 15%.
  - Automated inventory updates with IoT sensors, **reducing manual work by 10%**.
  - Developed ML models** with Scikit-Learn for demand prediction, cutting inventory waste by 12%.
  - Enhanced system scalability by 10% for smoother deployment.
- Zscaler** Jan 2024 - June 2024  
*AI Intern*
  - Built threat detection models using **Random Forest in Python**.
  - Developed **NLP-based log analysis with BERT** to detect security anomalies.
  - Optimized feature engineering using **Pandas & NumPy** for better model accuracy.
  - Analyzed large security datasets to improve attack pattern recognition.
- Licksters** Jan 2023 - September 2023  
*Strategy Intern*
  - Conducted market research to **identify trends** in the premium fruit popsicle segment.
  - Spearheaded rebranding, **boosting visibility by 10%**.
  - Developed marketing campaigns, **increasing engagement by 14%**.

## PROJECTS

- AskYashika AI Agent**
  - Built an AI agent using **LangChain, FAISS, and Sentence Transformers** for profile-based QA.
  - Integrated **RAG pipeline with HuggingFace embeddings** for context-aware responses.
  - Optimized **local LLM (CTransformers)** with token limits and **adaptive chunking** for efficient queries.
- AI-Based Stock Price Predictor**
  - Developed a web app using **sentiment analysis and ML for stock predictions**.
  - Integrated **LLMs** to analyze news and social media for trend forecasting.
  - Automated real-time data collection **via scraping and APIs**.
- Early Detection of Stroke**
  - Developed a comprehensive stroke prediction system using multiple **ML algorithms**.
  - Implemented data preprocessing and exploratory analysis techniques to optimize model performance.

## SKILLS & CERTIFICATIONS

- Tools:** Excel, OpenAI, AWS, Postman, Tableau, PowerBI, Langchain
- Programming:** Java, Node.js, Python, TensorFlow, ScikitLearn, SQL, React.js, HTML, CSS, JS
- Introduction to Generative AI** certificate by [Duke University](#)
- Managing Big Data with MySQL** certificate by [Duke University](#)
- Aws Computing** certificate by [AWS academy](#)

## ACHIEVEMENTS AND ROLES

- Vice President**, Red Ribbon Club of RCOEM
  - Organized community drives, like blood donation camps, benefiting 200+ people.
  - Secured sponsorships to support initiatives.
- Member**, Rotaract Club of RCOEM
  - Led social drives for community welfare
  - Helped 300+ Patients during Covid, planted 250+ trees and conducted self defence training for 700+ girls.
- Member**, Data Science Association (DASCA))
  - Managed event planning, logistics, and promotions for high engagement.
  - Led initiatives to promote data literacy and student networking.