CHELLI KARTHIK

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Career Objective:

A highly motivated and detail-oriented graduate aiming to begin a career in the IT industry. Seeking an entry-level role where I can leverage my programming skills, problem-solving capabilities, and enthusiasm for technology. Committed to contributing to impactful projects, working collaboratively with diverse teams, and continuously developing as a skilled software professional through hands-on experience and learning.

Technical Languages & Technologies:

- Programming Languages: Python, ANSI SQL
- Technologies & Services: Oracle SQL, Machine Learning, Data Science & Visualization, Natural Language Processing, Computer Vision, GitHub, VS Code

Education:

- B.Tech in Artificial Intelligence & Machine Learning in Vel Tech University(2022-25) - **7.55 CGPA**
- Diploma in Civil Engineering in Murugappa Polytechnic College (2018-21) - **89%**
- CBSE 10th Grade in Kendriya Vidhalaya (2018) - **82.8%**

Work Experience:

- Full Time Diploma Trainee in **DBM Vircon Pvt Ltd** from 2021 to 2022.
    - Collaborated with the Structural Engineering Department on various projects
    - Assisted in structural analysis and design implementations
    - Gained practical experience in engineering project management

Projects:

- Anomaly Detection in Industrial Objects:
    - Developed an anomaly detector using a pre-trained model from Hugging Face
    - Fine-tuned the model using K-means algorithm and deployed using streamlit
    - Technologies: Python, OpenCV, Pytorch, Hugging Face
- Live Stock Disease Detection:
    - Developed a machine learning model using Decision Tree Algorithm
    - Implemented disease detection algorithms for livestock health monitoring
    - Technologies: Python, Google Colab, Machine Learning
- Academic Search:
    - Built a semantic search engine using sentence transformers
    - Implemented natural language processing for conceptual meaning extraction
    - Technologies: Python, BERT, Sentence Transformers, NLP

IEEE Conference Paper Publication:

- Published a paper in IEEE named **Industrial Object Anomaly Detection** at the 7th International Conference on Inventive Material Science and Applications (ICIMA 2025)