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<div>SKILLS</div> <div> <ul style="list-style-type: none"> <li><b>Languages:</b> Java, Python, C language, R, JavaScript.</li> <li><b>Libraries:</b> Scikit-Learn, TensorFlow, React, AgnoAI,</li> <li><b>Tools:</b> Git (<i>Beginner</i>), MySQL (<i>Intermediate</i>), Jupyter Notebook.</li> <li><b>Others:</b> Data Structures and Algorithms, Natural Language Processing (NLP), DBMS, Operating System, Computer Network, Artificial Intelligence, Data Science, Object Oriented Programming, Fine-tuning LLMs, Generative-AI, Prompt Engineering, RAG, AI Agents, MCPs.</li> <li><b>Soft Skills:</b> Teamwork, Leadership, Communication.</li> </ul> </div>			
<div>WORK EXPERIENCE</div> <div> <div> <div>QED42 – Web Development Intern</div> <div>GIT, React.js, JavaScript, Next.js, RAG, Python, Drupal</div> <div>Present</div> </div> </div>			
<div>PROJECT(S)</div> <div> <div> <div>RAG App for PDFs</div> <div>Python, Sentence Transformers, Qdrant, HuggingFace, Streamlit</div> <div> <div> <div>Source Code</div> <div>Apr 25- Apr 25</div> </div> <ul style="list-style-type: none"> <li>Built a lightweight RAG (Retrieval-Augmented Generation) app that answers user questions from uploaded PDFs using semantic search and generative models.</li> <li>Used pdfplumber for PDF parsing, SentenceTransformers (all-MiniLM-L6-v2) for embeddings, and Qdrant (in-memory vector DB) for vector similarity search.</li> <li>Integrated a HuggingFace-based text2text generation pipeline for answer generation.</li> </ul> </div> </div> <div> <div>Customer Churn Prediction</div> <div>Python, Pandas, Scikit-learn, EDA, Matplotlib</div> <div> <div> <div>Source Code</div> <div>Jun 24- July 24</div> </div> <ul style="list-style-type: none"> <li>Performed data-handling and Exploratory Data Analysis to identify trends and patterns in customer behavior.</li> <li>Implemented multiple models, including Logistic Regression and Random Forest on both imbalanced and balanced (applied SMOTE) data.</li> <li>Evaluated and Compared results of Logistic Regression and Random Forest on both balanced and imbalanced data on classification metric like accuracy, precision, and recall, etc.</li> </ul> </div> </div> <div> <div>Video Translation System (Guided by – Atlas Copco)</div> <div>Python, Whisper-AI, NLP, Fine-tuning LLM, OpenAI API</div> <div> <div> <div>Source Code</div> <div>Mar 24- May 24</div> </div> <ul style="list-style-type: none"> <li>Successfully implemented speech to text using Whisper-AI which makes subtitle generation much more efficient, and timesaving compared to traditional methods involving SRT file.</li> <li>Fine-Tuned LLM (GPT) on videos provided by Atlas Copco to translate text from English to German and French.</li> <li>Compared results of subtitle text-translation using BLEU score metric for multiple pre-trained machine-translation models including mBART, Opus-NMT, Deep-Translator, Argos-Trans, Google-Trans, Fine-Tuned LLM.</li> <li>Fined-Tuned LLM gave best results i.e., BLEU score: For French – 72.01, For German – 62.01</li> </ul> </div> </div> <div> <div>Fish Species Identification</div> <div>Python, Deep Learning, Web-Scrapping, Flutter, OpenAI API</div> <div> <div> <div>Source Code</div> <div>Feb 23- Apr 23</div> </div> <ul style="list-style-type: none"> <li>Developed a Mobile Application for Android platforms that identifies the species when uploading a picture.</li> <li>Assembled a dataset by collecting images from multiple sources and platforms. Number of classes – 44</li> <li>Performed Image Data loading, Image Data pre-processing, Model building, Model training, Hyper-parameter-tuning, and real-time location-based pricing.</li> <li>Gives an accuracy of 94.55 %. The app was tested on fish in local fish markets.</li> </ul> </div> </div> </div>			
<div>EDUCATION</div> <div> <div> <div>Vishwakarma Institute of Technology – B-Tech, Computer Engineering (CGPA - 8.87)</div> <div>Present</div> <div>Pune</div> </div> </div>			
<div>ACHIEVEMENT(S)</div> <div> <ul style="list-style-type: none"> <li>Solved over 600+ problems across LeetCode and GeeksforGeeks, showcasing strong algorithm and data structure skills. <div> <div>LeetCode</div> <div>GFG</div> </div></li> <li>Awarded for outstanding contributions to the 'Translate Existing English Videos into Different Languages' project at Atlas Copco <div>Certificate</div></li> <li>"Fishify: A Mobile-Based Fish Species Identification App with Transfer Learning Using MobileNetV1". Presented at SmartCom 2024 and subsequently Published by Springer. <div>Link</div></li> <li>"Edu-lingo: A Unified NLP Video System with Comprehensive Multilingual Subtitles", published as research by IEEE in IEEE Xplore. <div>Link</div></li> <li>"MediAI: An AI Based Guide for Medical Content Authenticity Analysis", published as research by IEEE in IEEE Xplore. <div>Link</div></li> </ul> </div>			