PARTH KHARADE

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SUMMARY

Dedicated Electronics and Telecommunication Engineer experienced in developing smart solutions. As a team leader, I thrive in providing effective guidance to teams, particularly during demanding periods, and possess a proven track record of meeting project deadlines consistently. I bring a rapid learning approach and a persistent enthusiasm for nurturing team growth and development.

EDUCATION

B.Tech Vishwakarma Institute of Technology,Pune   2021 - 2025
CGPA- 8.72

Class 12th Shri Balaji Madhyamik Vidyalaya and Junior College, Ichalkaranji   2020 - 2021
Percentage- 93%

Class 10th Yashwant English Academy, Kodoli (CBSE)   2018 - 2019
Percentage- 86%

SKILLS

Technical Skills	Python, JAVA, SQL, Data Structures, Computer Vision, AI and ML, NLP, OS.
Soft Skills	Leadership, Problem Solving, Project Management, Effective Presentation, Communication.
Languages	English, Hindi, Marathi.

PROJECTS

Domain-Grounded Smart Legal Insight Engine   Feb 2025 - June 2025

- Developed an AI-powered Legal Document Assistant to analyze, summarize, and answer queries from contract documents.
- Implemented an end-to-end NLP pipeline using Hugging Face LLMs, FAISS vector search, and Streamlit for interactive querying and summarization.
- Trained on 5,000+ real legal contracts to achieve domain-grounded understanding, clause-level retrieval, and accurate semantic insights.

Farm Watch: AI-Enhanced Animal Detection for Farm Protection   July 2023 - October 2023

- Developed an intelligent system for farm animal detection using OpenCV and advanced ML techniques.
- Analyzed images for early warning against animal threats to farms.
- Provided effective crop protection, loss minimization, and wildlife coexistence through comprehensive assessment metrics by using classification algorithms.

Retail Inventory & Sales Analytics Database   June 2024- Dec 2024

- Designed a PostgreSQL-based retail system with structured schemas for products, customers, orders, and inventory.
- Implemented triggers and functions to auto-update stock levels and calculate order totals.
- Created SQL views and aggregation queries for monthly sales, top-selling products, and inventory insights.
- Optimized queries using indexing and relational constraints for faster data retrieval.

Crop Yield Prediction   Feb 2022 - June 2022

- Developed a regression-based Machine Learning Model which predicts the growth of the crop in that area considering various factors like rainfall, soil type and its Ph value, humidity, temperature and season.
- Implemented and compared multiple regression models: Linear Regression, Decision Tree, Random Forest, and XGBoost for accuracy and performance.

Context-Aware Spiritual Knowledge Retrieval System Using GraphRAG and LLM   July 2024- Dec 2024

- Developed a Graph-based Retrieval-Augmented Generation system using Neo4j to extract and link knowledge from spiritual discourses.
- Automated entity recognition from HTML files and structured them as a knowledge graph, enabling semantic search and context-aware question answering with LLMs
- This solution helps preserve and navigate large volumes of spiritual content efficiently.

EXTRA-CURRICULAR ACTIVITIES

Swimming

- Participated in State Level Swimming Competition held at Ahilyanagar in 2017.
- Secured 3rd Rank in 50-meter Butterfly Event in All India CBSE Zonal Level Competition held at Kowdley, Karnataka in 2019.
- Qualified for the Zonal Round of 800-meter Freestyle, 50-meter Butterfly and 100-meter Butterfly Events held at Ichalkaranji in 2018.

Coordinator, SWD CLUB, VIT Pune

- AatmaBodh: Organized literacy and digital skills event for illiterate individuals, focusing on reading, computer, and mobile usage. Managed a team of 10 volunteers.
- Muskaan: Led weekend education program for orphaned children, teaching reading, writing, and memory skills. Supervised 15 volunteers.
- Night Patrolling: Coordinated night patrolling initiative with local police, ensuring community safety and managing traffic flow. Directed a team of 6 volunteers.