DEVENDRA PARIHAR

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PROFESSIONAL SUMMARY

Experienced AI Developer and Data Scientist with expertise in Machine Learning, NLP, and Generative AI. Skilled in designing and deploying AI solutions to optimize business processes, improve data insights, and enhance automation experienced in building high-performance models, integrating LLMs, and driving AI-driven innovations.

PROFESSIONAL EXPERIENCE

AI Developer
Helios Solutions, (Solbi), Vadodara, Gujrat   Sep 2024 – Present

- Launched an AI-powered WhatsApp bot integrating Solbi features, leading to a **40% increase** in daily active users and boost in user **feature utilization**.
- Built a **high-performance MultiRAG** system with PostgreSQL, **attained 20-30x faster** query speeds.
- Architected a modular framework using the OpenAI format to integrate **public LLMs**, **reducing** integration time for new models by **40%** and improving model compatibility.
- Optimized vector search with advanced quantization and index compression, cutting latency by 30% and boosting query throughput 4x in MultiRAG systems.

Lead Data Scientist
Kainskep Solutions Pvt. Ltd, Jaipur, Rajasthan   Nov 2022 – Aug 2024

- Championed testing and **deployment** of 5+ new AI models focused on **efficiency** gains, accomplished through optimizing code for faster **processing times**, personally improving model runtime by 30% within 6 months.
- Managed advanced NLP projects, leveraging **generative AI** to enhance data understanding and **recommendations**.
- Spearheaded comprehensive IoT initiatives, enhancing **object detection** accuracy by 40% via advanced image processing techniques for **real-time applications**, reducing **laten**cy and **improving** system **responsiveness**.
- Collaborated with cross-functional teams to implement machine learning algorithms such as linear regression, logistic regression, decision trees, and clustering algorithms.

PROJECTS

Destiny Driver |Python, Machine Learning, **Generative-AI**(LLM's), Data Analysis | 2023 - 2024

- Implemented a career prediction engine, that integrated LinkedIn data, college information, and **predictive algorithms**; **earned a 90%** user satisfaction rating based on survey feedback.
- Engineered an **AI-powered** engine using **fine-tuned** BERT language models and optimized ML techniques that delivered 95% accuracy in extracting career insights from diverse datasets.
- It sets a new benchmark in **career guidance** through methodologies like **transfer learning and custom neural networks**.

SKILLS

- **Languages/Databases**: **Python**, R, PySpark, MYSQL, PostgreSQL, **SQL/Warehouse**
- **AI/ML & Data Science:** Machine Learning, **Artificial Intelligence**, **Computer Vision**, **NLP**, Deep Learning, Generative-AI, **LLM's**, **Neural Network** Designing & Training
- **Framework/Libraries**: **Pandas**, NumPy, Scikit-learn, **PyTorch**, **TensorFlow**, NLTK, **OpenAI**, Spacy, **Hugging-Face**
- **Cloud/Analytics Platform: Microsoft Azure** (AI Studio, Copilot Studio, ML Studio), Amazon Web Services
- **Others**: DSA, Mathematics & Statistical Methods, **docker**, **Git**, GitHub-Version Control, MLOps.

EDUCATION

Engineering College Bikaner, Bikaner, Rajasthan   Aug 2020 - Jun 2024
BTech, Artificial Intelligence and Data Science | 7.53 CGPA

CERTIFICATIONS

- **Microsoft Certified: Azure AI Fundamentals**
- **Build an Azure AI Vision solution**
- Mathematics for Machine Learning, Statistics: **Imperial College London**
- **Machine Learning: Stanford University**

ACHIEVEMENTS

- **3X Kaggle Expert**: Rank (346)
- Published Research Paper: A Data-Centric Approach to Weather Prediction using IoT and ML on Drone Platforms.
- LinkedIn **Top 1% Data Science** Voice
- Mentored 20+ **Hackathons** and **Speaker** in 5 tech-events.