Neeraj Prasad

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SUMMARY

AI/ML Engineer specializing in Generative AI, Machine Learning, and Deep Learning, with expertise in designing, training,and deploying scalable machine learning models. Skilled in natural language processing (NLP), large language models(LLMs), neural networks, and reinforcement learning to push the boundaries of AI-driven solutions. Experienced in featureengineering, data preprocessing, and optimizing algorithms for reliability, scalability, and robustness. Proficient in cloudcomputing platforms (AWS, Azure, Google Cloud) and orchestration tools (Docker, Kubernetes). Passionate about technicalvision, mentorship, and aligning AI projects with business objectives while ensuring data privacy, security, and compliance.

EXPERIENCE

AI/ML Engineer, RedPluto Analytics, Pune, India   **Sep 2024 - Present**
- Led the development of workflow automation for call center question answering, integrating Generative AI (Google's Gemini) to enhance customer interactions.
- Built scalable real-time data pipelines using information retrieval, API transcription, and ETL workflows, optimizing team performance and business opportunities.
- Developed production systems with product offerings using HubSpot CRM and cloud computing, ensuring compliance and reliability.
- Provided thought leadership, coaching, and research insights at conferences, driving AI evolution and influence in emerging technologies.

EDUCATION

Bhilai Institute of Technology, Durg , India, Durg, India - *Master, Computer Application*   **Jan 2020 - Jan 2022**
SSSSMV, Durg, Durg, India - *Bachelors, Computer Applications*   **Jan 2016 - Jan 2019**

PROJECTS

Advanced Q&A Chatbots and Vector Embedding
- Designed an NLP-powered AI chatbot with information retrieval, implementation, and vector embeddings, showcased in workshops and conferences.
- Improved communication and scaling for customer support using natural language processing, enhancing team performance and AI-driven business opportunities.

Application Tracking System
- Built an automated workflow automation system for resume evaluation using literature-driven keyword extraction and predictive modeling.
- Optimized practical AI-driven scaling solutions, leveraging fundamentals of NLP and emerging technologies in recruitment.

Gluco Guard: Advanced Diabetes Predictor
- Engineered a predictive analytics model achieving 89% accuracy, integrating emerging technologies in AI-driven healthcare diagnostics.
- Designed a cloud-based production system to ensure model reliability, providing value in customer health management.

SKILLS

Programming Languages	**:** Python, SQL, NoSQL, Bash
AI/ML Techniques	**:** Machine Learning, Deep Learning, Generative AI, Large Language Models (LLMs), NLP, Neural Networks, Reinforcement Learning, Predictive Modeling, Feature Engineering, Data Preprocessing, Information Retrieval, Natural Language Processing
Frameworks and Libraries	**:** pandas, NumPy, Scikit-Learn, PyTorch, TensorFlow, HuggingFace, Transformers, LangChain, NLTK
Cloud and Data Engineering	**:** Cloud Computing (AWS, Google Cloud, Azure), Docker, Kubernetes, Apache Airflow
Tools and Platforms	**:** PowerBI, Excel, MongoDB, Trello, Jira
Soft Skills	**:** Collaboration, Coaching, Team Performance, Business Opportunities Alignment, Thought Leadership, Influence, Presentation Skills, Communication