SRILOKH KARUTURI

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SKILLS

Languages: Python, SQL, Java, R, JavaScript, Cipher, Bash, Go
Technologies: Apache Spark, Amazon SageMaker, Databricks, Docker, Pinecone, GCP, Apache Kafka, Jupyter, Neo4j, AWS
Libraries: Pandas, LangChain, LlamaIndex, PyTorch, TensorFlow, NLTK, Transformers, NumPy, SciPy, Sklearn, FastAPI, SpaCy

CERTIFICATIONS

• SalesForce AI Associate (In Progress)
• Neo4j Certified Professiona

PROFESSIONAL EXPERIENCE

BlockTrace   **Remote**
Software Engineer   *August 2023 - Present*
  • Pioneering the integration of machine learning and vector databases into existing Digital Asset Forensics products to improve case resolution speed by 30%.
  • Design and model high-performance data pipelines, conducting rigorous experimentation and evaluation, ensuring data quality and availability standards.
  • Adopted an agile development mindset, embracing the value of constant iteration and customer feedback.

IBM - Extreme Blue   **Austin, TX, USA**
Machine Learning Engineer Intern   *May 2023 - August 2023*
  • Led the development and implementation of a large-scale ML system at IBM, automating 30% of the manual processes by delivering customized client recommendations.
  • Developed a feature extraction microservice utilizing LLM/NLP/OCR strategies, achieving a 25% reduction in time compared to manual extraction.
  • Collaborated extensively with 3+ cross-functional teams to integrate AI-driven solutions into existing production React interfaces, delivering on performant production-quality code.
  • Served as the primary MLOps/LLMOps Engineer, leading cloud deployment, networking, and containerization of 3+ LLMs and microservices.

IBM - Client Engineering   **Coppell, TX, USA**
Software Engineering Co-op   *May 2022 - May 2023*
  • Demonstrated the value of 10+ IBM AI/ML Enterprise solutions in the Telco sector by developing tailored pre-sales applications to major clients like Verizon and T-Mobile.
  • Developed intelligent infrastructure support applications that identified and mitigated compliance discrepancies, dramatically accelerating throughput by 3x.
  • Regularly served as an OpenShift Cluster Administrator, assisting in node-level cluster provisioning, facilitating application deployment/debugging, and ensuring efficient cluster operations.
  • Collaborated closely with Solution Architects, AI Engineers, and Data Scientists to successfully pinpoint and deliver technical sales assets.

BlockTrace   **Remote**
Software Engineer Consultant   *August 2021 - May 2022*
  • Developed a high frequency data centric application responsible for "Multi Blockchain Data Aggregation".
  • Created Python-based APIs for Blockchain Forensics and Analytical Services, enabling secure data retrieval, standardized data cleansing, and acceleration of data-driven decisions.
  • Led deployment of various Bitcoin Nodes to conduct Bitcoin traffic analysis utilizing Wireshark Bitcoin Protocol.

PROJECTS & OUTSIDE EXPERIENCE

WeFitAI
  • Co-founder of a B2C startup focused on delivering highly intelligent and personalized AI fitness agents.
  • Leading the development of edge-based Named Entity Recognition (NER) models, aimed to reduce overall processing time by 40% and operating expenses by 27%.
  • *Link to project*

EDUCATION

The University of Texas at Dallas   **January 2021 - December 2023**
Bachelor's, Computer Science
  • Coursework: Machine Learning, Advanced Algorithm Analysis, Human Language Technologies, Computational Methods for Data Scientists, Data Structures & Algorithms
  • Organizations: Artificial Intelligence Society