UJWAL KANDI

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WORK EXPERIENCE

Welo Data – Metadata Specialist, Austin, TX   Jan 2025 – Present
- Optimizing data ingestion and mapping as part of Apple TV's Metadata Operations Team, ensuring seamless integration and UX
- Refine metadata standards and implemented workflows to ensure accuracy, consistency, and improved customer engagement

Dover Fueling Solutions – Business Analyst, Austin, TX   Jun 2024 – Aug 2024
- Enhanced observability by improving log analytics in **Azure APIM**, setup alerts, and dashboards in **Grafana** to monitor key metrics
- Developed a lightweight, offline-capable multi-agent AI assistant for edge devices, automating preliminary diagnostics and anomaly detection. Integrated **SQLite** and data visualization tools for efficient log analysis under resource constraints
- Integrated agentic troubleshooting system with locally run LLM for inference and enhancing on-site decision-making capabilities

Stronghold Investment Management – AI Engineer, Austin, TX   Dec 2023 – Apr 2024
- Designed and implemented a custom-built AI agent over **Azure AI Studio**, integrating OCR and LLM models to enhance ownership verification processes and automate complex document workflows
- Reduced document processing costs by 20% by implementing an automated document intelligence system for document analysis

Epsilon – Data Programmer I, Bengaluru, India   Aug 2021 – Jul 2023
- Managed data ingestion processes within the Epsilon ecosystem, collaborating with clients to effectively address their requirements using tools such as **AWS, SnapLogic, Matillion ETL, Jira,** and **ServiceNow**
- Built data pipelines for new clients and supervised production servers of 16+ clients **(Unilever, Marriott, BofA, Disney, NatGeo)**
- Implemented comprehensive monitoring with **Dynatrace** and **Kibana** to ensure pipeline health and enable rapid failure response across the **AWS S3** and **Redshift** environments using **CloudWatch**
- Handled client's first-party data and automated 50+ ETL batch jobs to create a production-like test environment, significantly improving testing outcomes and enhancing report-building capabilities for end users

Epsilon – Production Support Engineer, Bengaluru, India   Apr 2022 – Jul 2023
- Collaborated with TechOps team to provide production support, manage data flow between products, and perform file cleanup
- Resolved data load issues within Epsilon's data mart, optimizing complex batch processes to improve performance by 89%
- Executed data quality tasks and handled emergency fixes, leading to a 93% customer satisfaction rate through effective troubleshooting and timely hotfixes

Isthriwala – Data Analyst, Vijayawada, India   Jun 2020 – Jul 2021
- Managed and analyzed data for a diverse customer base of over 35,000 individuals and 100+ B2B clients using **SQL**
- Identified growth opportunities and optimized customer retention strategies, leading to a 10% increase in monthly subscriptions
- Developed and visualized KPI dashboards in **Tableau**, improving target tracking and helping exceed monthly goals by 15%

TECHNICAL SKILLS

- **Languages**: Python, R, SQL, JavaScript, HTML/CSS, XML, YAML, NoSQL, Unix
- **Tools & Platforms**: AWS, Azure, Git, Linux, Docker, MATLAB, SQLite, KQL
- **Libraries**: NumPy, Pandas, Matplotlib, Seaborn, Plotly, Flask, Beautiful Soup, Scikit-Learn, GeoPandas, Folium, TensorFlow/Keras
- **Big Data Tools**: MongoDB, Tableau, Excel, Power BI, Kafka, MapReduce, Hadoop, PySpark, Airflow, Kubernetes
- **AI/ML Tools**: LangChain, Ollama, FAISS, Pinecone, OpenWeb UI, Hugging Face, PyTorch, LangSmith, Jupyter Notebooks

LEADERSHIP & ACHIEVEMENTS

Seeed Ranger – AIoT Developer Program, Seeed Studio   Oct 2024 – Present
- Led university workshops on AIoT, engaging students with practical demos and fostering a deeper understanding of AI hardware
- Delivered AI and IoT classes for children aged 6-14, simplifying complex topics through hands-on projects to inspire tech curiosity

Dover Fueling Solutions Hackathon'24 – Annual Hackathon, Dover Fueling Solutions   Feb 2024
- Won first place at the **Dover Fueling Solutions'** annual hackathon, leading the smallest team to victory by leveraging LLM models and Edge Computing to develop a conversational AI model
- Presented a demo of our solution at the **DFS User Conference 2024** and managed an exhibitor booth alongside industry leaders

MSITM Campus Ambassador – Texas McCombs School of Business, UT Austin   Aug 2023 – May 2024
- Guided prospective students, leading to a 10% increase in application submissions from underrepresented regions

HACKSciCom 2022 – Annual Hackathon, MIT Hacking Medicine   May 2022
- Finalist in the prestigious annual hackathon co-hosted by **MIT** and **Roche**; built data pipelines with a globally distributed team

University Innovation Fellow – International Fellowship Program, Stanford d.school   Jan 2018 – Dec 2020
- One of two students selected for the program in college by Stanford's d.school and conducted workshops/sprints on Design Thinking, Rapid Prototyping, Moonshot Thinking & other problem-solving frameworks reaching over 1000+ university students
- Initiated peer mentoring and technical clubs (20% academic weightage) and received a scholarship to attend Silicon Valley Meetup at Stanford, Google, and Microsoft for experimental workshops and immersive learning

EDUCATION

University of Texas at Austin - Master of Science, Information Technology & Management   May 2024
- Coursework: Business Data Science, Data Management, Big Data & Distributed Programming, Unstructured Data Analytics, Data Product Lifecycle Management, Strategic Change & IT Management, Data Governance and Responsible AI, Advanced Programming/App Development

KL University - Bachelor of Technology, Computer Engineering | Data Analytics   May 2020
- Named Department Topper and honored on Dean's List for outstanding academic excellence

TECHNICAL PROJECTS

A.I.D.E. - AI Diagnostic Engine
- Built an AI observability tool to analyze API logs locally, detect anomalies, identify root causes, and generate diagnostic reports
- Utilized Llama models on Groq, implemented RAG with ChromaDB, and created visualizations with SciPy for enhanced analysis
- Developed the initial prototype at the ATX Llama Hackathon hosted by Meta, using the Llama Stack for on-device intelligence

Yelp Reviews Recommender System with Sentiment Analysis for Menu Optimization
- Engineered a recommender system using a custom scraper and sentiment analysis **(NLTK)** for data-driven menu optimization
- Provided actionable insights to a culinary consulting team, optimizing menu/services for 3 restaurants based on system findings

Customer Characterization & Profiling using Agglomerative Hierarchical Clustering
- Conducted comprehensive analysis of client habits, demographics, and marketing responses with different clustering techniques
- Opted for Agglomerative Hierarchical Clustering over KMeans, for deeper insights into customer segments

Stock Market Impact Analysis Using World Leaders' Tweets and Data Visualization
- Extracted key tweets from world leaders and analyzed their financial impact on global stock markets using Power BI
- Published findings in a research paper (IJAST): "Visualizing the Financial Impact of Presidential Tweets on Stock Markets."

Drug Cartel Activity Dashboard: Geographic and Temporal Analysis Using Python and Tableau
- Extracted and analyzed ten drug cartels' activities across Mexico from online news archives using **Python, Pandas,** and **Excel**
- Visualized territorial shifts and their impact across 32 federal entities over 20 years with **Tableau**, providing insights into regional trends and changes