UJWAL KANDI

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WORK EXPERIENCE

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
- **AI/ML Tools**: LangChain, Ollama, FAISS, Pinecone, OpenWeb UI, Hugging Face, PyTorch, LangSmith, Jupyter Notebooks

LEADERSHIP & ACHIEVEMENTS

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 placed on Dean's List for outstanding academic excellence

TECHNICAL PROJECTS

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

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