UJWAL KANDI

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WORK EXPERIENCE

Dover Fueling Solutions – *Business Analyst,* Austin, TX   *Jun 2024 – Present*
- Enhanced observability by improving log analytics in APIM, set up 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 the agentic troubleshooting system with a locally run LLM for inference, 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 Redshift environments
- Handled client's first-party data and automated 50+ ETL batch jobs to create a production-like test environment, significantly improving testing outcomes by utilizing the most recent data

Epsilon – *Production Support Engineer,* Bengaluru, India   *Apr 2022 – Jul 2023*
- Collaborated with the TechOps team to provide production support, manage data flow between products, and perform file cleanup, acted as a liaison between client-facing teams and Engineering
- Executed data quality tasks and emergency fixes when detected, leading to a customer satisfaction rate of 93%, primarily due to short-notice rapid troubleshooting and hotfixes
- Achieved 89% performance improvement by optimizing the long-running batch jobs in coordination with the Technical Lead

Isthriwala – *Data Analyst,* Vijayawada, India   *Jun 2020 – Apr 2021*
- Managed and analyzed data for a customer base of over 35,000 individuals and 100+ B2B clients, leveraging insights to identify growth opportunities and optimize customer retention strategies, resulting in a 10% increase in monthly subscriptions
- Developed and visualized KPI dashboards on Tableau, improving target tracking and helping exceed monthly goals by 15%

TECHNICAL SKILLS

- **Languages**: Python, SQL, HTML/CSS, Java, R, JavaScript, Git, XML, Linux, SQLite
- **Libraries**: Flask, NumPy, Pandas, matplotlib, Seaborn, Plotly, Beautiful Soup, Scikit-Learn, GeoPandas, Folium, TensorFlow/Keras
- **Big Data Tools**: AWS/Azure, PySpark, MongoDB, MapReduce, Hadoop, Kafka, Redshift, Docker, Tableau, Excel, Airflow, Power BI
- **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 held at their headquarters, 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 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

THRUSANG'20 – *Core Student Lead,* KL University   *Feb 2020*
- Led a group of 40 editors/organizers/volunteers as head of the Design and Broadcasting team for the annual college fest
- Organized technical workshops and soft-skills training sessions, participated by 800+ students from nearby schools

University Innovation Fellows – *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 | Spec. in Data Analytics   *May 2020*
- Named Department Topper and placed on Dean's List for outstanding academic excellence

TECHNICAL PROJECTS

Yelp Reviews Recommendation System – Desi Dine Scores
- Engineered a recommender system using custom scraper, and sentiment analysis (NLTK) for data-driven menu optimization
- Acted as a culinary consulting team to optimize menu/services in 3 restaurants through actionable insights gained from the system

Visualizing the Financial Impact of World Leaders' Microblogging Data on Stock Markets
- Extracted vital tweets of world leaders from the dataset and analyzed their financial impact on global stock markets. Implemented several Data Visualization techniques to indicate the correlation between the two factors
- Published the findings in a research paper (IJAST): Visualizing the Financial Impact of Presidential Tweets on Stock Markets

Dashboard on Drug Cartels' Activity Across Mexico
- Extracted data from online news archives on 10 cartels' drug trafficking activities over 20 years using Python, Pandas, and Excel Analyzed territorial shifts across 32 federal entities and visualized their impact on each state over the years using Tableau