

# TEJ SAI PRANAV REDDY KAGITALA

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## SUMMARY

Data Analyst and Full Stack Developer with expertise in NLP, Named Entity Recognition (NER), and AI-driven data annotation. Proficient in SQL, Python, Power BI, Snowflake, AWS, and full stack technologies including React.js, Node.js, Express.js, and MongoDB. Experienced in developing scalable applications like QKart (E-commerce) and XFlix (Video Sharing), optimizing data pipelines, automating ETL workflows, and building knowledge graphs for AI-driven insights.

## EDUCATION

**The University of Texas at Dallas, USA**

May 2024

Master of Science in Business Analytics

**Birla Institute of Technology and Science, Pilani**

May 2022

Bachelor of Engineering in Electrical Engineering

## PROFESSIONAL EXPERIENCE

**Llmda.ai**

California

**Data Analyst**

May 2023 - Present

- Specializing in Natural Language Processing (NLP), Named Entity Recognition (NER), and automated data annotation.
- Developing AI-driven pipelines to extract structured insights from unstructured data, optimizing entity extraction and refining annotation processes.
- Training machine learning models using frameworks like SpaCy, deep learning, and transformers, ensuring high-precision NLP applications.
- Building knowledge graphs to enhance contextual understanding and improve AI decision Making.
- Managing cloud integrations, automating AI workflows, and deploying scalable AI models for real-world applications.
- Utilizing GitHub-integrated workflows for efficient model training, annotation management, and structured data processing.

**Genpact**

Bengaluru

**Business Analyst Intern**

Aug 2021 - Jul 2022

- Leveraged SQL, PowerBI, Snowflake, Python, AWS, and Azure to perform advanced statistical modeling and predictive analytics, driving data-driven decision-making processes.
- Spearheaded a project focused on building predictive models to address missing data in large Excel datasets, utilizing machine learning techniques (Random Forest) that increased data accuracy and completeness by 25%. Enhanced decision-making by ensuring more reliable data inputs.
- Employed SQL to perform data extraction, transformation, and loading (ETL) processes, seamlessly integrating data from various sources for comprehensive analysis and reporting, aligning with the organization's data accuracy and performance goals.
- Led the implementation of Random Forest-based predictive modeling techniques, improving the robustness of the datasets by reducing data errors by 25%, ensuring cleaner and more structured data for risk analysis and modeling.
- Leveraged big data technologies such as Hadoop, Spark, and Kafka to process large volumes of structured and unstructured data, ensuring scalability and performance of data pipelines for critical financial insights. Improved efficiency of data ingestion and analysis across multiple platforms.

## TECHNICAL SKILLS

**Methodologies:** SDLC, Agile/ Scrum, Waterfall

**Frontend Development:**

- Languages:** HTML, CSS, JavaScript, TypeScript
- Frameworks/Libraries:** React.js, Angular, Vue.js, Next.js
- UI/UX:** Responsive Design, Material UI, Bootstrap, Tailwind CSS
- State Management:** Redux, Context API, Zustand, Vuex

**Backend Development:**

- Languages:** JavaScript (Node.js), Python (Django, Flask, FastAPI), Java (Spring Boot), Ruby (Rails), PHP
- API Development:** RESTful APIs, GraphQL, WebSockets
- Authentication & Security:** OAuth, JWT, SAML, Role-Based Access Control (RBAC)

**Database Management:**

- SQL Databases:** PostgreSQL, MySQL, MSSQL, Oracle, SQLite
- NoSQL Databases:** MongoDB, Firebase, DynamoDB, Cassandra, Redis

**Version Control & Collaboration:** Git, GitHub, GitLab, Bitbucket, Jira, Confluence

## PROJECT

**Qkart:**

**QKart is an e-commerce application offering a variety of products for customers.**

- Implemented the core logic for authentication, shopping cart and checkout
- Improved UI by adding responsive design elements for uniform experience across different devices
- Utilized REST APIs to dynamically load and render data served by the backend server
- Built the complete set of REST APIs for an E-commerce application following the best practices
- Used MongoDB NoSQL database for data storage

**Tech Stack:** React.js, React Routing, REST APIs, Keyword Search, Debouncing, Responsive Design, NodeJS, ExpressJS, MongoDB, Postman

**XFlix:**

**XFlix is a video sharing platform which hosts videos for the world to watch. It also features uploading new videos by using external video links**

- Built XFlix backend using Node.js, Express.js and MongoDB from scratch
- Implemented APIs according to the API contract set

**Tech Stack:** Node.JS, Express.JS, MongoDB, Mongoose, REST