ARIGELA LIKHITH

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Profile

Student majoring in CSE with a keen interest in technologies such as AI & ML and Data Analytics. Committed to exploring these domains further to maximize learning opportunities and contribute effectively to projects, while also enjoying hobbies like traveling, playing sports, and listening to music.

Education

PES University, Bengaluru, Karnataka   **Nov 2022 – July 2026**
BTech in Computer Science and Engineering   *CGPA: 9.39 (1st - 6th semester)*
- Merit Scholarship: Awarded scholarship for being in the top 5% of the college in all the semesters.

Experience

Dentsu Global Services   **06/2025 – 07/2025**
Summer Intern - Insights & Analytics, Bengaluru
- **Optimizing marketing spend and maximize profits for retailers**: Developed an intelligent, automated framework that leverages LLMs to analyze campaign performance data and generate actionable insights. The system would be able to help businesses decide where, when and how to allocate marketing and operational budgets to maximize returns.

Centre of Cognitive Computing and Computational Intelligence (C3I)   **06/2024 – 07/2024**
Summer Intern, PES University, Bengaluru
- **Image Colorization using Deep Learning Techniques**: Developed a machine learning model using autoencoders to convert black and white images to color, utilizing a dataset from Kaggle to enhance image processing capabilities.

Projects

Real-Time Resume Screening Using Kafka Based Applicant Tracking System - Presented in ICT4SD conference
- Built a real-time, distributed Applicant Tracking System for automated resume screening using Kafka and Spark Streaming with FastAPI-based microservices to parse resumes and extract structured data such as skills, education, and experience using RAKE and regex. Enabled parallel processing and fault tolerance through hash-based load balancing across multiple servers. Achieved low latency and scalable processing for thousands of resumes with real-time updates and failover recovery mechanisms.

QueryWright (NLP to SQL) (Ongoing)
- Developing a natural language interface to translate user inputs into SQL queries, enabling seamless database interaction with role based query permissions and data visualization after retrieval for enhanced insights.

Distributed Logging System
- Designed a system to monitor and analyze real-time logs from distributed microservices, enabling detection of critical alerts and ensuring reliable health tracking of services. Implemented using Kafka for message streaming, Fluentd for log aggregation, Elasticsearch for storage and search, and Python-based consumers for alerting and data processing.

Bioinformatic Enhanced Pharmacy
- Developed a web based application, MedNova, to streamline pharmacy operations, including inventory management, customer and employee tracking, and sales monitoring. Implemented using PHP with a MySQL database, featuring a responsive user interface built with HTML, CSS, and JavaScript. Incorporated role-based access control, secure session management.

Technical Skills

Languages: Python, C, JavaScript, MySQL, MATLAB
Developer Tools: VS Code, Git, Docker
Frameworks: Linux, ReactJS, MongoDB, HDFS, Kafka, Kibana, PyTorch, TensorFlow, Scikit-learn

Certificates

Summer Internship Certificate (C3I)

Certificate of Presenting & Contribution : ICT4SD Conference, Goa ,India

Problem Solving Intermediate Hackerrank certificate

Image Processing Onramp certificate

JIRA Work Management

Languages

English: Fluent, **Telugu**: Native, Proficient, **Kannada**: Fluent, **Hindi**: Intermediate