CHALLA SUJAN

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SUMMARY

Enthusiastic and solutions-driven engineering student specializing in full stack development and AI/ML. Passionate about building impactful projects and scalable systems using tools like React, Node.js, Python, and Kafka. Proven track record of collaborative project work, hackathon participation, and a continuous learning mindset.

EDUCATION

Chaitanya Bharathi Institute of Technology, Hyderabad   *2022 - Present*
Bachelor of Engineering   CGPA : 7.8
Department of Information Technology

Sri Chaitanya Jr College, Hyderabad   *2019 - 2021*
Intermediate   Overall Percentage: 94.4

PROJECTS

Artistry Odyssey
Developed a web application using HTML, CSS, and JavaScript for the frontend, and PHP for the backend. Key features include creating custom art, showcasing popular artists, trending arts, individual artist profiles, and connectivity. Managed data with PostgreSQL for efficient storage.

Village Guest
Built a comprehensive website platform that connects guests with rural hosts offering authentic village stays and cultural experiences. Designed intuitive UI/UX, integrated booking functionality, and ensured secure user communication.

Sentiment Analysis using NLTK and Deep Learning
Built a sentiment analysis model to classify user opinions from sentences using Natural Language Toolkit (NLTK) for preprocessing and LSTM-based deep learning model for prediction. The system tokenizes, removes stopwords, and lemmatizes text before feeding it into a neural network for binary sentiment classification.

Brain Tumor Segmentation with Deep Learning
Implemented a 3D deep learning model for automated brain tumor segmentation using volumetric MRI data. Applied preprocessing techniques like z-score normalization and data augmentation. Trained a UNet-based architecture using Dice and Focal Loss for accurate tumor boundary detection and class differentiation.

Flink-Kafka Real-Time Balance Tracker
Developed a real-time bank balance tracking system using Apache Kafka for streaming transactions and Apache Flink for processing and aggregating balances. Integrated data pipelines for ingestion, processing, and visualization with low-latency monitoring.

TECHNICAL SKILLS

Languages: Java, Python, SQL, HTML, CSS, JavaScript, React.js, Node.js, Express.js, Bootstrap, MongoDB
Course Work: Data Structures and Algorithms, Object Oriented Programming, Computer Networks, Operating Systems, DBMS, Machine Learning, Apache Kafka, AWS Services
Soft Skills: Leadership, Communication, Growth Mindset, Consistency

CERTIFICATIONS

Salesforce Certified AI Associate	March 2025
ALTERYX Data Analytics Process Automation Virtual Internship	Jan Mar 2025
Introduction to Internet of Things (NPTEL)	Jan Apr 2025
Machine Learning Foundation Infosys Springboard	Feb 2024
Artificial Intelligence Primer Infosys Springboard	Feb 2024
Artificial Intelligence Foundation Infosys Springboard	Jan 2024

ACHIEVEMENTS

Selected for the **Smart India Hackathon (SIH)** at the college level representing CBIT
Represented CBIT in the **TiE University Hackathon**, Hyderabad round