KANKANABOINA HEMANTH

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EDUCATION

Bachelors Of Technology in Computer Science, PES University Expected 2026
GPA: 8.39/10.00 **Courses**:Data Structures and Algorithms, Database Management Systems, Computer Networks, Operating Systems, Data Analytics, Big Data
Awards:5 Distinction awards(top 20%)

SKILLS

Languages: C,C++, Python,java, HTML/CSS, Javascript,SQL
Tools and technologies:Apache spark,Apache hadoop,Apache kafka,Arduino IDE,Cisco Packet Tracer
Soft Skills:Effective Communication, Teamwork, Adaptability

PROJECTS

Emo streams **Tools**:Kafka,Spark,python

- High-performance emoji streaming platform built with Apache Spark and Kafka for seamless processing.
- Delivers over 95% accuracy, ensuring emojis are processed and returned with high precision.
- Supports 85 % of connected devices, enabling seamless multi-device interaction

1-day stock prediction **Tools**:python,alpaca,expressjs

- Developed a transformer-based predictive model for stock price forecasting and trend classification.
- Delivered confidence-scored recommendations (Buy/Sell/Hold) and volatility tracking for informed decision-making.
- Implemented full ML pipeline: data scaling, model training/inference, REST API and UI integration using Python.

airline management **Tools**:SQL,java,Apache netbeans

- Built a database-driven airline management system that streamlines ticket booking, cancellations, and flight information access.
- Designed and optimized relational database schemas in MySQL to efficiently handle flight schedules, passenger records, and ticketing data.
- Integrated dynamic flight search, secure ticket reservations, and seamless cancellation functionality for enhanced user experience and data security.

Online quiz application **Tools**:python,SSl,socket programming

- Developed a secure online quiz application leveraging Python, socket programming, and SSL encryption for data protection.
- Implemented real-time quiz interactions with multi-device compatibility and streamlined feedback management.

sleep apnea detection(ongoing) **Tools**:python,Machine learning(Neural networks)

- Sleep apnea detection system using ECG and snoring data for real-time apnea event detection.
- Neural network-based analysis achieving 90 percent detection accuracy, outperforming traditional methods like polysomnography.

EXTRA-CURRICULAR ACTIVITIES

- National-level softball player with district-level chess experience.
- Sponsorship coordinator for Maaya Fest at our university.