SAIEESH S RAO

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EDUCATION

PES University **Bangalore, India**

- **Bachelors in technology** **2020-2024**
  - **Computer Science Engineering**
  - **CGPA-8.37**

ST. Joseph's pre-university college **Bangalore, India**

- **12th grade** **2018-2020**
  - **94.8 %**

Certifications- ***AWS introduction to cloud 101, introduction to IOT 101***

PROFESSIONAL EXPERIENCE

Electronics & Radar Development Establishment (LRDE), DRDO Bangalore, India

- ***ML RESEARCH INTERN, RADAR I***
  - Worked under a scientist to research upon various ML algorithms which help in radar object clustering in real time.
  - Simulated these algorithms under various distributions of data to understand its vulnerabilities.
  - Was able to provide a proof of concept for clustering 3D data points in real time.

SKILLS

- **Languages:** C++, C, Python, JavaScript
- **Tools and Technologies:** Git, Hadoop, AWS, Arduino, MYSQL, MongoDB, MariaDB, React.js, Node.js, Express.js
- **Courses**: Data Structures and Algorithms, Operating system, Machine Learning Database Management System.

PROJECTS

- YET ANOTHER KAFKA (YAK)
  - *This project implements Kafka a real time streaming framework in a local environment.*
  - *It had a single producer and consumer with multiple brokers to manage the load and distribution.*

- BOOKING APP USING MERN
  - *Built a web application with the help of react.js and Node.js using MongoDB to store the details of the booking.*
  - *Handled login, checkout and payments using cookies and JWT.*

- Raft Consensus Algorithm Using GO
  - *Successfully Demonstrated the leader election and Log replication using GO. Raft is a simpler and better solution to leader election than Paxos algorithm.*
  - *Implemented the leader election logic, RPC handlers and the election logic using the Raft white paper.*

- Flappy Bird AI
  - *Designed and implemented a Flappy Bird artificial intelligence system using reinforcement learning algorithms, enabling the bird to autonomously navigate through obstacles and achieve high scores.*

- Loan Prediction Using Ensemble Learning
  - *Developed a predictive model for loan approval using ensemble learning, including Random Forests, Gradient Boosting, and other models to predict loan default risk also deployed it on streamlit.*