BATTU ADITYA RAO

Chennai Tamil Nadu

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Career Objective

Motivated individual with a strong interest in problem-solving and teamwork. Looking to apply my skills and adaptability in a role that supports company objectives while fostering personal and professional growth in a collaborative environment.

Education

Amrita Vishwa Vidyapeetham   **Oct 2022 – Present**
Bachelor of Technology in Computer Science Engineering with specialization in AI.   *Chennai, Tamil Nadu*

Technical Skills

Languages: C++, SQL, Java, Python
Developer Tools: VS Code,Android Studio,Webots
Technologies/Frameworks: Linux

Projects

Quantum- enhanced Online Payment Fraud Detection | *Machine Learning*   **Jun 2024 – Jun 2024**
- Preprocessed transaction data, encoded it into quantum states.
- Trained the VQC model using a developed cost function and results in detecting fraudulent activity on artificial datasets

Radar System, IOT | *IOT*   **Feb 2024 – Apr 2024**
- Object detection using Arduino and Sonar (Ultrasonic sensor).
- Estimated the distance and angle of object position using GUI visualization.

Phishing website detection: Quantum enhanced SVM with VQC | *Machine Learning*   **June 2024 – Nov 2024**
- Variational Quantum Circuits (VQC) for detecting fraudulent websites.
- Comparative Analysis between Machine Learning and Quantum Algorithms
- Implemented and tested the model on real-world phishing datasets, demonstrating enhanced performance over classical SVM approaches.

Ground Water Level Prediction : A Case Study in Chennai | *Robotics*   **June 2024 – Nov 2024**
- The developed SVM model is then used to predict underground water levels in Chennai
- Utilized geospatial and meteorological data to enhance model accuracy and provide insights for water resource management.
- Implemented data preprocessing and feature engineering to improve model efficiency, leading to better forecasting accuracy.

Professional Skills

- Multitasking.
- Prioritization skills.
- Skilled in interpersonal relations, organization, capable of independent and collaborative work
- Problem-solving.
- Adaptability.

Achievements/Certifications

- Achieved an online certification in Android App Development from Internshala.
- Concluded an IBM course on Coursera, "People and Soft Skills for Professional and Personal Success Specialization."
- Achieved an online certification in SQL Basic from Hacker Rank