K Kelvin

+91 7077724720 | kkelvin.2022@gmail.com | LinkedIn | GitHub

EDUCATION

- **Gandhi Institute of Engineering and Technology**, India **CGPA: 7.5**

BTech (Computer Science and Engineering With AIML), 2025

Coursework: Data Structure, Java, Design and Analysis of Algorithms, Python, Operating System, DBMS, Artificial Intelligence, Machine Learning, Deep Learning, Natural Language Processing, Computer Vision.

WORK EXPERIENCE

- **Artificial Intelligence Intern, Rinex** **APR-JUNE, 2023**

- Engineered and deployed machine learning models to enhance accuracy and optimize predictions.
- Applied concepts of DL such as gradient descent, loss functions and activation functions.
- Deep learning and convolutional neural networks were used to achieve 90% accuracy in text analytics across 10,000+ data samples.
- To increase the interpretability of machine learning models, I envisioned them using Graphviz.

PROJECTS

- **Intrusion Detection System | Python and Flask**

- Designed an Intrusion Detection System based on AI for cybersecurity threat detection.
- Real-time threats, including DDoS, MITM, and unauthorized access, were under continuous monitoring.
- The signature-based and abnormal detection techniques were well utilized for accurate threat identification.
- Created a web-based fronted interface for hosting locally and then easy system interaction.

- **E-payment| HTML, CSS, JavaScript, Spring Boot, MySQL**

- Implemented a user-friendly website with a clean architecture based on big chances that as analyzed the chances of visitor turn to customer is <1%.
- As a result, an adaptive backend was created using Spring Boot and JavaScript for improved functionality.
- Ensured secure data management with MySQL for efficient electronic transactions
- I have Introduced a responsive platform that provides an optimal user interface and performance seamlessly.

- **Web Phishing Detection Using Machine Learning | Python and PQT5**

- The machine learning-based phishing detection system is developed for detecting malicious websites.
- Features like length, special characters, and domain attributes were saved for URL analysis implementation.
- Classified and trained Decision Trees, Random Forest and SVM with the best accuracy.
- For real-time phishing detection, the graphical interface was prepared using PyQt5 for user-friendliness.

TECHNICAL SKILLS

- Languages: Java and Python
- Full Stack Development: HTML, CSS, JavaScript, Java (Spring, SpringBoot, Spring AI, Spring Security, Servlets & JSP, Hibernate, JDBC), Python (Streamit, Flask, Django)
- Database: MySQL and MongoDB
- Data Science: Ml Algorithms (Regression, Classification, Clustering), Deep Learning (TensorFlow, Keras, PyTorch), Computer Vision (OpenCV)
- Data Analysis & Visualization: NumPy, Pandas, Matplotlib, Seaborn, SciPy
- Generative AI: LLM (LLaMA)
- Developer Tools: VS Code, Jupyter, PyCharm

Achievements/Certifications

- **Solved over 200 coding problems** on HackerRank and LeetCode to enhance skills.
- **Udemy:** AI/ML implementations, Java Full Stack Development, Design Patterns in Java