RAJESH VALLEPU

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CAREER OBJECTIVE

Proficient in machine learning, Python, and Java, with a proven track record of developing advanced algorithms and models. Skilled at translating complex ideas into practical solutions that drive innovation and achieve outstanding results.

EDUCATION

Laki Reddy Bali Reddy College of Engineering — Mylavaram, Ap
Bachelor of Technology -Ai & Ds; GPA:8.70 — **2021-2025**
VIBM — Vijayawada, Ap
Inter Mediate-MPC; score:92% — **2019-2021**

SKILLS SUMMARY

- **Languages:** JAVA, PYTHON, SQL
- **Frameworks:** Pandas, NumPy, Matplotlib
- **Front End:** Html, CSS, JavaScript
- **Tools:** MySQL, Excel, PowerPoint
- **Platforms:** Jupyter Notebook, Visual Studio Code
- **Soft Skills:** Team Collaboration, Cross-Team Collaboration.
- **Technologies:** Machine Learning

WORK EXPERIENCE

NIT WARANGAL |INTERN(Lead)

- Developed a robust system to detect multi-vector Distributed Denial of Service (DDoS) attacks in IoT networks using ensemble modelling techniques, integrating Random Forest, Gradient Boosting, and a Voting Classifier to enhance accuracy and reliability.
- **Project**: Creation of a Dashboard for Visualizing the Detection of Multi-vector DDoS Attacks-in IoT-Networks.

BHARAT INTERN

- Designed and implemented a personal portfolio website showcasing dynamic content, interactive navigation, and responsive design principles using modern web development technologies.
- Developed a web-based tool for facilitating virtual meetings, integrating features like real-time chat, video conferencing, and Secure authentication for seamless collaboration.

PROJECTS

URBAN SOUND POLLUTION PREDICTION(Team):

Developed machine learning models to predict urban sound pollution using sensor, traffic, and weather data. Leveraged advanced preprocessing and feature engineering to enhance prediction accuracy for real-time noise monitoring and urban planning. Published a research paper on this work in the **Grenz Scientific Journal**.

E-COMMERCE WEBSITE:

E-commerce Website for Small-Scale Business Using Java, Oracle DB (Full-Stack Development). Designed and developed a full-stack e-commerce website using Java for backend development, Oracle DB for data management, and front-end technologies for a seamless user experience.

MONKEYPOX PREDICTION USING DEEP LEARNING(Team):

Developed a deep learning model for Monkeypox detection using AlexNet and DenseNet architectures. Preprocessed images with augmentation and normalization to enhance model performance. Achieved high classification accuracy through hyperparameter tuning and transfer learning.

CERTIFICATES

- JAVA FULL STACK WIPRO TALENT NEXT, 2024
- MACHINE LEARNING FOUNDATION, Infosys, 2023
- MASTER CLASS ON AL 3.0, APSSDC, 2022