VENKATESH KELAM

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Summary:

Enthusiastic entry-level Software Engineer with a strong command of cutting-edge technologies and a dedication to ongoing skill development. Actively contributes to web application development, with a focus on creating user-friendly interfaces and high-quality code for effective digital solutions.

Education:

NORTHEASTERN UNIVERSITY *August 2023–May 2025*
Master of Science in Information Systems | GPA: 4.0/4.0 *San Jose, CA*

ANNA UNIVERSITY *August 2019–April 2023*
Bachelor of technology in Information Technology | GPA: 8.56/10.0 *Chennai, INDIA*

Technical Skills:

Languages: C, C++, Python, Java, JavaScript, HTML, CSS and PHP.
Tools: Git, Keras, React, Node.js, Webpack.
Others: Machine learning, clustering algorithms, neural networks, PyTorch.

Projects:

Battery Health Estimation Using Regression *February 2023–April 2023*
- Developed a cutting-edge regression-based state of health (SOH) monitoring model for lithium-ion batteries, showcasing **85% accuracy**.
- Engineered a system designed to provide users with precise and reliable information on the condition of their batteries, enabling 90% effective power source management.
- Calculated numerous cycles and attained an **80% accuracy rate** and exhibited their capability to detect localized regeneration occurrences within battery cells, notably enhancing the accuracy of safety and maintenance decision-making processes.

IBM – Web Phishing Detection *June 2022–August 2022*
- Formulated a comprehensive full-stack application with a **90% accuracy rate** in the identification of phishing URLs.
- Harnessed the power of machine learning to train a regression model using a dataset of over 10,000 URLs, achieving **70% more efficiency** in distinguishing genuine from fraudulent ones.
- Created an intuitive front-end application that seamlessly incorporated the model, optimizing efficiency and granting users swift access to informed assessments of URL authenticity.

Experience:

Vibry Business Solutions *February 2023–March 2023*
Internship Trainee (Front End Developer) Bangalore, INDIA
- Collaborated with the UI/UX team on **30+** design iterations, resulting in substantial enhancements to the overall user experience.
- Worked on the integration of JavaScript libraries, notably React, contributing to the creation of more than **15** interactive and dynamic website features, substantially elevated user engagement and interactivity.

DLK Career Development *February 2021–March 2021*
Internship Trainee (Python-Machine Learning) Chennai, INDIA
- Developed and implemented machine learning models in Python for predictive analytics, resulting in a **20%** improvement in forecasting accuracy.
- Modeled and trained deep learning models using Python libraries like TensorFlow and Scikit-Learn, yielding a **25%** decrease in classification errors.