FATHIMA SHADHA VK

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SUMMARY

Energetic and detail-oriented recent graduate with a solid foundation in data science and self-taught expertise in web development. Proficient in Python, Php, and frontend and backend frameworks, I am eager to leverage my analytical skills and creativity to craft immersive web experiences. Committed to delivering innovative solutions and contributing to dynamic projects in a collaborative environment.

SKILLS

Languages	Python, R, SQL, PHP
Web Development	HTML, CSS, JavaScript, Bootstrap, Laravel
Machine Learning	Regression, Classification, Clustering, Neural Networks
Deep Learning	Convolutional Neural Networks (CNN), Recurrent Neural Networks (RNN), TensorFlow
Natural Language Processing	Text Preprocessing, Sentiment Analysis, Named Entity Recognition (NER)
Computer Vision	OpenCV, Object Detection, Image Classification
Visualization	PowerBI, Tableau

EDUCATION

2021 - 2023 **Master of Science, Data Science**
Periyar University

2017 - 2020 **Bachelor of Science, Physics**
University of Calicut

EXPERIENCE

06/23 - Present **Computer Science Faculty** **Hillsinai**

- Delivered curriculum-based computer science lessons that enhanced student engagement in programming, algorithms, and digital literacy.
- Established coding clubs and AI teams, promoting collaboration and real-world applications through competitions at local and national levels.

01/23 - 04/2023 **Data Science Intern** **Boston Training Academy**

- Executed comprehensive machine learning case studies, notably predicting heart attacks using sophisticated classification models, demonstrating adeptness in real-world healthcare analytics.
- Collaborated with cross-functional teams to refine machine learning algorithms, fostering innovation and continuous improvement across the organization's data initiatives.

PROJECTS

08/23 - 11/2023 **Tweet Sentiment Analysis using NLU**

- Developed a sentiment analysis model that classifies tweets as positive, negative, or neutral, revealing nuanced user sentiments.
- Utilized advanced techniques, including text cleaning with the NLTK library, to ensure data accuracy and reliability.
- Achieved 72% accuracy by leveraging diverse classification models, demonstrating the ability to extract actionable insights from complex datasets.

05/23 - 07/2023 **Energy Consumption and Renewable Energy Dashboard**

- Developed an interactive dashboard using Power BI, featuring diverse plots illustrating trends in energy consumption and renewable energy utilization across various time periods.
- Conducted comprehensive analysis of energy consumption and renewable energy availability on hourly, daily, monthly, and yearly basis, providing valuable insights into patterns and fluctuations.

CERTIFICATIONS

10/2023 **Google Data Analytics Professional Certificate**
Google, Coursera

10/2021 **One API Data processing & Machine Learning**
Intel