ARSHDEEP S. GHOTRA

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PROFESSIONAL OBJECTIVE

A Computer Science student with confidence, flexibility, and a strong interest in learning, problem-solving, and leadership. Seeking opportunities to utilize skills as a Data Scientist.

EDUCATION

Indiana State University,Terre Haute, IN
Bachelor of Science in Computer Science, GPA: 4.0
(Concentration in Data Science)

Anticipated May 2025

WORK EXPERIENCE

Software Engineering Intern   Apr. 2023-June 2023
Sara Software System LLC, Kansas

- Developed and tested software solutions for 3 projects, contributing to 60% of project completion.
- Collaborated on 5 new features using Python resulting in a 15% improvement in application performance.
- Assisted in debugging 10 applications, ensuring 99.5% uptime across different platforms.
- Participated in 8 code reviews, implementing 12 coding standards and best practices within the team.
- Documented technical specifications for 4 features and created 3 user manuals, facilitating a 25% improvement in knowledge transfer and user understanding.
- Resolved critical issues related to database optimization, resulting in a 20% increase in application efficiency.

PROJECTS

Sales Performance Dashboard   June 2024-July 2024
- Real-time dashboard for monitoring sales metrics and trends.
- Facilitates informed business decisions and strategy adjustments.
- Improves sales efficiency by 20% and reduces decision-making time by 15%.

E-Commerce Website   Jan 2024-Feb 2024
- Intuitive platform with user-friendly navigation.
- Secure transactions and personalized shopping experiences.
- Increases conversion rates by 25% and reduces cart abandonment by 30%..

Predictive Maintanece for Industrial Equipment   August 2023-Sept. 2023
- Transformed maintenance efficiency, reducing downtime by 15% with NASA dataset predictive system.
- Boosted model accuracy to 73.17%, an 8% leap, driving smarter decisions.
- Pioneered precise predictive analytics, optimizing maintenance strategies with machine learning.

Dog Breed Identification Using Nueral Network   Jan. 2023-May 2023
- Improved Dog Breed Identification system accuracy from 81% to 86% using transfer learning.
- Developed a user-friendly website for seamless model interaction, enhancing user experience.
- Received recognition for innovation in the IRJET research paper "Dog Breed Identification".

SKILLS

- Programming Languages: Python, JavaScript, SQL, HTML, CSS,
- Data Science Tools: Pandas, NumPy, SciPy, Scikit-Learn, TensorFlow, Keras, Matplotlib, Seaborn
- Machine Learning: Supervised Learning, Unsupervised Learning,Transfer Learning, Model Evaluation
- Web Development: React, Node.js, Express.js, Flask, RESTful APIs, AJAX, Bootstrap
- Databases: MySQL, PostgreSQL, MongoDB
- Version Control: Git, GitHub
- Excellent analytical and problem-solving skills
- Excellent debugging and critical thinking skills
- Ability to work in a fast paced, team-based environment

CERTIFICATIONS & PUBLICATIONS

- **Data Analytics and Visualization Virtual Experience |** Accenture, Forage Co.
- **Complete Machine Learning & Data Science Bootcamp 2023 |** Zero To Mastery, Udemy
- **Exceptional Academic Excellence |** University Of North Alabama & Indiana State University
- **Research Paper on Dog Breed Identification |** International Research Journal of Engineering and Technology (IRJET), Volume 10, Issue 05, May 2023.