ANANYA AGARWAL

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EDUCATION

Vellore Institute of Technology Vellore, Tamil Nadu
B.Tech in Computer Science: CGPA – 9.00 2021 – 2025

Deens Academy Bangalore, India
CBSE Grade 12 - 92.8%, CBSE Grade 10 - 90.4% 2021, 2019

EXPERIENCE

National Aerospace Laboratories Oct 2023 – Dec 2023
Research Intern Bangalore, India
- Led efforts to implement CNN algorithms for identifying symbols and shapes on the display achieving 70% accuracy using 90,000 images in dataset.
- Employed innovative techniques to implement a grid-based display system, achieving an 80% accuracy rate in identifying coordinates for diverse shapes and symbols.
- Implemented concepts from computer vision to achieve results and improve my skills by 60%.

PROJECTS

Web Portfolio
- Proactively developed a personal website with an engaging and interactive layout, resulting in a 30% improvement in user comprehension and ease of navigation.
- Used HTML, CSS to develop my expertise by 80%.

Safe Site Predictor
- Successfully implemented a machine learning algorithm, RandomForestClassifier, achieving a remarkable 97% accuracy in website authenticity detection.
- Developed a web application using Django to improve user interface by 20%.
- Utilised Python, NumPy, Matplotlib to perform the tasks and improved my mastery by 57%.

Health Application
- Proactively prepared a Python-based application utilizing tkinter to create a highly intuitive user interface, resulting in a 40% increase in user engagement and a 25% decrease in customer support inquiries.
- Enhanced user engagement and satisfaction by integrating personalized input features for a Calorie Counter and BMI Calculator, resulting in a 30% increase in user activity.
- Implemented user age-based algorithms to generate customized diet charts and workout plans, leading to a 20% boost in user satisfaction.
- Collaborated with different teams to gather user feedback, achieving a customer satisfaction score of 4.5/5.
- Implemented Python, MySQL to refine my skills by 90%.

CERTIFICATIONS

- **AWS Cloud Foundations**
- **Advanced Learning Algorithms** , DeepLearning.AI
- **Supervised Machine Learning** , DeepLearning.AI

SKILLS AND RELATED COURSEWORK

Skills: C/C++, Python, R, SQL, GitHub, Power BI, AWS, React.js, HTML, JavaScript, Tailwind CSS, NumPy, Pandas, Matplotlib, Jupyter Notebooks
Coursework: Data Structures and Algorithms, Networks, Databases, Operating Systems, Object Oriented Programming

POSITION OF RESPONSIBILITY

HR Head at Centre for Social Entrepreneurship and Development Jan 2023 – Dec 2023
- Streamlined club functionality by organizing and leading training sessions for members, resulting in a 15% improvement in overall performance.
- Collaborated with the executive team to develop and implement club strategies.