Tanvi Ananya Kappala

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Education

Kalinga Institute of Industrial Technology University   **2021 − 2025**
Bachelor of Science in Computer Science   *CGPA: 8.32/10*

Amicus International School, Kendriya Vidyalaya   **2019 − 2021, 2018 − 2019**
12th (CBSE), 10th (CBSE)   *Percentage: 74/100, 84/100*

Relevant Coursework

- Data Structures
- Machine Learning
- Database Management
- Artificial Intelligence
- Web Development
- Software Programming
- Graphic Designing
- Marketing

Experience

CodeClause | *Artificial Intelligence Intern*   **Feb. 2024 − March 2024**

- Assembled training datasets of 5,000+ images for accurate hand gesture recognition.
- Calculated metrics, achieving 90% accuracy in personality prediction and 85% in object detection.
- Specialized in computer vision, improving hand gesture recognition accuracy by 15%.

Neev Herbal Handmade Soaps | *Marketing and Tech Intern*   **June 2023 − July 2023**

- Applied marketing strategies to increase website traffic by 35% over a month period.
- Built and optimized graphics and layouts for 5+ website sections, boosting lead generation by 20%.
- Directed the redesign of the company website, resulting in a 30% improvement in user experience.

Oasis Infobyte | *Web Development and Designing Intern*   **May 2023 − June 2023**

- Coded and launched a responsive landing page, improving load times by 10%.
- Designed intuitive user interfaces for all three websites, enhancing overall user experience.
- Devised a custom CSS framework for the temperature converter site, reducing load time by 20%.

Projects

Heart Disease Prediction | *Python, Google Collab, Machine Learning*   **April 2024**

- Applied ML techniques to develop a heart disease prediction model with 84.87% accuracy on the testing set.
- Assembled a comprehensive dataset of 303 patient records, handling missing values and outliers to ensure data integrity.
- Calculated performance metrics, achieving accuracy, precision, recall, and F1-score for 3 classifiers.

Gesture Recognition System | *Python, OpenCV, AI, TensorFlow, CNN, Video Processing*   **March 2024**

- Coded over 2,000 lines of Python scripts for data preprocessing, model training, and testing.
- Solved challenges related to lighting conditions, background clutter, and hand pose variation for robust gesture recognition, achieving an accuracy of 85% on real-world test data.

Landing Page | *HTML, CSS, JavaScript*   **June 2023**

- Assembled HTML and CSS files to create a responsive landing page project, comprising approx. 200 lines of code.
- Engineered responsive grid systems and media queries, utilizing over 10 breakpoints to optimize layout responsiveness.
- Implemented interactive elements like buttons and navigation bars, resulting in a 90% boost during engagement.

Technical Skills

Languages: Python, Java, C, C++, HTML/CSS, JavaScript, SQL, Assembly Language
Developer Tools: VS Code, Eclipse, Git, Github, Anaconda, Jupyter Notebook, Google Collab, Figma, Shell Script
Technologies/Frameworks: Linux, Git, GitHub, MongoDB, MySQL, Oracle, AWS, Apache Hadoop

Extracurricular

Kodessa | *Web Developer*   **Feb. 2024 − Present**
Kalliope | *Anchor, Graphic Designer and Marketing*   **Nov. 2021 − Present**
Kamakshi & HeForShe | *Graphic Designer and Volunteer*   **Nov. 2021 − Present**