Advaid Krishna A

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Work Experience

AccelerateX **Oct 2024**
AI Internship Participant

- Completed an Internship program on building a foundational AI project at M A College of Engineering, Kothamangalam.
- Gained hands-on experience in AI project development, including AI modeling, data processing, and implementation.
- Demonstrated commitment and skill under the guidance of industry professionals to successfully complete a basic AI project.

Projects

Super Aqua | *HTML, CSS, JavaScript, PHP, MySQL*

- Built an online platform for aquarium enthusiasts, offering features like an extensive database of aquatic species with detailed care guides.
- Developed a marketplace for buying and selling aquarium supplies and fish, and integrated a community forum for user interactions.
- Implemented interactive tools such as a virtual aquarium builder and a compatibility checker for different species.
- Designed a user-friendly interface promoting responsible and sustainable aquarium practices.
- Conducted research on user experience, online marketplaces, and aquarium care to ensure accurate and up-to-date information.

Traffic Light Control System | *Arduino Nano, C++*

- Designed and implemented a traffic light control system using an Arduino Nano and an RGB LED to simulate real-world traffic management.
- Programmed sequential activation of red, yellow, and green lights with designated time intervals for stop, prepare, and go signals.
- Integrated a countdown timer and serial monitor instructions to enhance user understanding of each traffic light phase.
- Utilized the Arduino Nano for compact and efficient control and an RGB LED for multi-color simulation of traffic signals.
- Demonstrated practical applications of Arduino programming in embedded systems for educational purposes.

Hybrid Face Recognition Model — | *ResNet-50, Decision Tree, Python, TensorFlow*

- Developed a face recognition system combining ResNet-50 for feature extraction and a Decision Tree for classification.
- Modified ResNet by removing the softmax layer to extract high-dimensional latent feature vectors for classification.
- Achieved 70% accuracy on a 35-class dataset by combining deep learning and traditional machine learning.
- Focused on extracting meaningful features and leveraging them for improved classification.

Technical Skills

Programming Languages Java, C, C++, Python, HTML, CSS, SQL, JavaScript
Technologies/Frameworks Operating Systems, Tensor Flow, Arduino Nano, PHP, Graphic designing

Education

Nilgiri College of Arts and Science **Sep 2022 - May 2025**
Bachelor of Computer Applications with Specialization in AI and Robotics **CGPA: 7.0/10.0**

DePaul Public School **Apr 2019 - May 2021**
Senior Secondary School (Board: CBSE) **Percentage : 79/100**

St.Mary's English Medium School **Apr 2017 - Mar 2019**
Secondary School (Board: ICSE) **Percentage : 69/100**

Certificates

Explore Generative AI with Copilot in Bing **October 29, 2024**
Issued by Microsoft

Python for Data Science **Jul 2024 - Aug 2024**
Issued by NPTEL