

# MOHAMED HUSSAIN S

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## Education

**Crescent institute of science and technology**

*B.tech Artificial intelligence and data science*

**Sep. 2020 – May 2024**

*Chennai, Tamilnadu*

## Relevant Coursework

- Data Structures
- Data Science
- Algorithms Analysis
- Database Management
- Artificial Intelligence
- Internet Technology
- Data Visualization
- Computer Architecture

## Experience

**Type-C, Inc**

*Machine learning Intern*

**may 2023 – Jul 2023**

*Chennai, Tamilnadu*

- Importing Necessary Libraries: Start by importing essential libraries such as OpenCV and NumPy to handle image processing and numerical operations
- Loading the Image/Video: Load the image or video stream using OpenCV to prepare it for facial detection
- Pre-trained Haar Cascades or Deep Learning Model: Choose between using pre-trained Haar cascades or deep learning models like the Single Shot Multibox Detector (SSD) or You Only Look Once (YOLO) for facial detection.
- Utilized Google collab as a development environment in order to utilize the GPU and CUDA libraries.

## Projects

**E-Commerce Website Development | HTML, CSS, PHP, javascript, wordpress(CMS)**

**January 2025**

- Custom WordPress Theme: Designed a tailored theme that aligns with the brand's identity, ensuring a unique and professional look..
- WooCommerce Integration: Set up WooCommerce to manage product listings, facilitate secure payments, handle order processing, and provide detailed reports.
- WooCommerce Integration: Set up WooCommerce to manage product listings, facilitate secure payments, handle order processing, and provide detailed reports.
- Product Management: Created an easy-to-use backend for the client to add, edit, and manage product listings, including images, prices, and stock levels.

**Translation system for tanglish to tamil | Python, Pytorch, Jupyter notebook**

**October 2023**

- Compiled a diverse Tanglish dataset, ensuring representation of colloquial expressions and language variations.
- Implemented a transformer-based model (e.g., BERT or GPT) for its contextual understanding and sequential data handling.
- Fine-tuned the model for enhanced translation accuracy, optimizing hyperparameters and addressing Tanglish language intricacies.
- Integrated the model into a responsive application, allowing users to input Tanglish and receive instant, accurate English translations.
- Established a feedback mechanism for user input, facilitating ongoing model enhancement and addressing translation challenges.

## Technical Skills

**Languages:** Python, MYSQL, PHP, HTML/CSS, JavaScript

**Developer Tools:** Power BI, VS Code, Google Collab, Kaggle, Jupyter Notebook

**Technologies/Frameworks:** Linux, Tensorflow, GitHub

## Leadership / Extracurricular

**General Secretary**

**Jan 2023 – may 2024**

*Crescent University*

- Beign in a postion of general secretary for college symposium and managing all the coordinative works Done by college.

**Director**

**Jun 2022 – may 2024**

*Crescent University*

- Working as Director in a Data science club and conducted several hackathons Regarding the subject of Data.