

# YUGANDER N

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## OBJECTIVE

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I am a highly motivated and results-driven professional seeking a challenging role. I aim to contribute to organizational goals through my technical expertise, dedication, and problem-solving skills. I am a well-organized and hardworking individual with strong technical and leadership capabilities.

## EDUCATION QUALIFICATIONS

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### PANIMALAR ENGINEERING COLLEGE

*B.E CSE CGPA: 8.39*

Chennai, Tamil Nadu

2022-2025

### Rajagopal Polytechnic College

*DIPLOMA percentage: 91.00*

Gudiyattam, Tamil Nadu

### Mathakondapalli Model School

*SSLC percentage: 77.90*

Hosur, Tamil Nadu

## TECHNICAL SKILLS

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**Manual Testing** : Agile model, SDLC, STLC, DLC, RTM, Jira, Types of testing, Test case, Test plan, Functional testing, Black box testing, Design case techniques.

**Automation Testing** : Selenium, Web driver interface, Locaters, X-path, TestNG, Write script.

**Database** : MYSQL

**Languages** : Core java(OOPS)

: SQL (SQL statements, Joins, Sub query, Multi row function).

## PROJECTS

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### REAL TIME FISH DETECTION USING YOYLO V8 WITH IMAGE ENHANCEMENT

- ❖ Designed and implemented an **object detection system** using the **YOLOv8 model** to accurately identify and count fish in underwater images.
- ❖ Utilized **Convolutional Neural Networks (CNNs)** for feature extraction, enabling precise detection of fish across diverse underwater conditions.
- ❖ Enhanced model performance by applying **Robo flow**, correcting **1,500+ mislabeled images**, which improved accuracy in detecting rare fish species by **15%**.
- ❖ Applied **advanced data augmentation techniques** (rotation, scaling, brightness correction, to improve model robustness against underwater distortions and lighting variations.
- ❖ Achieved a significant accuracy improvement from **88% to 92%**, demonstrating the effectiveness of the advanced YOLOv8 approach in fish detection tasks.
- ❖ Delivered a system capable of real-time fish detection and counting, supporting applications in marine research, aquaculture monitoring, and sustainable fisheries management.

### PROJECT2: HADOOP SEMISTRUCTED DATA PROCESSING USING AVRO FILE

- ❖ **Technologies: Hadoop, HDFS, Sqoop, Hive, Avro**
- ❖ Engineered a streamlined data pipeline using Sqoop to incrementally transfer of data daily from RDBMS to HIVE, storing it in the Avro format, which reduced data processing time.

#### Responsibilities

- ❖ Performed importing of data from RDMS to server to appropriate HDFS directories based on file names.
- ❖ Processing of data from the files in the HDFS directories and loading the data appropriate Hive Staging table.  
Automated the incremental data append to hive tables and identify easily in order to pass.

## CERTIFICATIONS

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- ❖ Course in software testing from qspiders.
- ❖ Course in SQL from qspiders.
- ❖ Course in full stack Big data from zeyobron analytics.