Sricharan Basa

B.Tech - Computer Science and Engineering
Bharath Institute of Higher Education and Research

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EDUCATION

•**Bachelor of Technology in Computer Science and Engineering** *2021-2025*
Bharath Institute of Higher Education and Research,Chennai CGPA-9.4

•**Higher Secondary Education - Maths,Physics,Chemistry** *2019-2021*
Trinity Junior College,Karimnagar Percentage-98.0

•**Secondary Education - SSC** *2019*
Brooklyn Grammer High School,Metpally CGPA-9.7

PROJECTS

•**Toxic Comment Detection**
A machine learning model that aims to develop a robust system for identifying and filtering toxic comments in online platforms.

- Used a labeled dataset containing comments from various platforms (e.g., social networks, forums).
- created a powerful algorithm to detect toxic comments in user-generated content that was evaluated in real-time,successfully recognizing and reporting 95% of offensive remarks.
- Achieved an accuracy of 90% in identifying toxic content.

•**Real-time Accident Detection and Response System**
An AI-driven accident detection system, capable of analyzingreal-time data points,leading to a 20% faster emergency response time.

- Curated a specialized dataset featuring traffic camera footage with both accident and non-accident scenarios to enhance model training.
- Engineered and fine-tuned a machine learning model, achieving 83% accuracy in identifying accidents from live video feeds.
- Designed an optimized video processing algorithm, streamlining resource allocation and boosting processing speed by 40%.

TECHNICAL SKILLS AND INTERESTS

Languages: Java, SQL ,Python (Beginner)
Web Dev Tools: VScode
Version Control: Git , Github
Databases: Relational Database(MySQL)
Relevent Coursework:Object Oriented Programming, Data Structures and Algorithms, Database Management System, Operating Systems, Cloud Computing
Software: Familiar with Microsoft's Word, Excel, and PowerPoint .
Methodologies: Software Development Life Cycle (SDLC)
Soft Skills: Communication ,Self-learning, Presentation, Adaptability

CERTIFICATIONS

- Secured Java Certification – NPTEL
- Received Certificate for completion of HTML and CSS – TWG Technologies
- SQL and Relational Databases -IBM
- Acquired Data Analysis and Visualization Job Stimulation Certificate – Accenture,Forage

ACHIEVEMENTS

Leadership & Representation:
- Led a class of 72 students, Representing their interests to faculty and administration.
- Mentored as Class Representative for 6 academic semesters, facilitating student-faculty communication.
Event Participation:
- Attended the 2-day UMAGINE TN GLOBAL CONFERENCE at Chennai Trade Centre, receiving appreciation for participation.
- Received a memento in 12th standard for securing 2nd place in formulas test on Mathematics Day.
Academic Excellence:
- Consistently maintained a high CGPA while actively participating in extracurricular activities.
- Awarded merit scholarships for achieving 98% in Higher Secondary School.