SYED AKTHARUNNISA

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Objective

I am motivated and passionate about problem-solving and web designing. I am eager to apply my technical skills to create innovative solutions and address real-world challenges with a drive for continuous learning.

Education

Electronics and Communication Engineering (B.Tech) — 2020-2024
Tirumala Engineering College,CGPA-8.0 — *Narasaraopet, India*

XII (PCM) — 2018-2020
Vasavi Junior College, CGPA,8.6 — *Narasaraopet, India*

X (SSC) — 2017
St John's E.M High School, CGPA,9.3 — *Narasaraopet, India*

Experience

TAP Academy, Bengaluru
Full Stack Web Development- Hands-on Technical Training Program

- Successfully completed a comprehensive hands-on training program in Java, covering core concepts. Obtained practical experience in debugging, testing, and optimizing Java code to ensure performance and reliability.

- Implemented a strong foundation in Java syntax, control structures, and exception handling to write efficient, maintainable code. Acquired Familiarity with Java libraries and frameworks for building scalable applications and working with databases.

Skills

- **Programming Languages:** Java, Python
- **Front-end Technologies :** HTML, CSS, JavaScript, React.js,
- **Frameworks :** SpringBoot, Hibernate
- **Database Management :** SQL

Projects

Defect Detection In Industrial Application Products using Federated Learning Algorithms
Technologies Used: Python, CNN, TensorFlow, OpenCV, Federated Learning

- The project focuses on detecting defects in industrial products using machine learning (ML) and federated learning algorithms.
- It enhances quality control by identifying defective items without centralized data collection.
- Ensures privacy and security by training models across multiple devices without sharing raw data.

Personal Portfolio Website
Technologies Used: HTML, CSS, JavaScript
https://syedaktharunnisaproject61204.github.io/Syed-Aktharunnisa-Portfolio/

- Constructed a personal portfolio website to effectively showcase a collection of projects, skills, achievements, and relevant professional experience.
- Linked a contact form with email capabilities via a third-party API and deployed the website on GitHub Pages to enhance accessibility and visibility.

E-Commerce Shopping Cart Using Frontend Technologies

Technologies Used: HTML, CSS, JavaScript

- Implemented the back-end logic for the shopping cart functionality using Java, ensuring smooth handling of user requests such as adding, updating, and removing items.

- Used SQL for secure storage and retrieval of cart data, ensuring real-time synchronization between the front-end and back-end for an optimized user experience.

Anti Sleep Alarm For Drivers

Technologies & Components Used : Python, OpenCV, Raspberry Pi, Camera Module, Buzzer

- The project aims to prevent drowsy driving accidents by detecting signs of driver fatigue.

- Uses real-time monitoring of the driver's face and eyes to detect drowsiness.

- Triggers an alarm or vibration alert when signs of sleepiness are detected.

- Enhances road safety by reducing accidents caused by driver fatigue.

Certificates

Full Stack Web Development/ *Tap Academy*

Achieved hands-on experience in both front-end and back-end technologies, leveraging modern frameworks and development techniques for full-stack web development. Web Development**.**

https://drive.google.com/file/d/1NcDKsVkMH9T9fwJd4d9B1SJ545lTV_Ke/view?usp=sharing

AWS Cloud Computing |AWS Academy

Earned AWS Cloud Computing certification by gaining expertise in designing, deploying, and managing scalable and secure cloud infrastructure solutions using core AWS services

https://www.credly.com/go/lbfR7xgt