



SANDHIYA A

B.E.Electronics & Communication Engineering

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CAREER OBJECTIVE

With a combined knowledge of Engineering and Management, I have developed solid leadership, technical and management skills. Seeking a challenging role that allows me to leverage my technical skills and develop innovative solutions.

EDUCATION

- **Bachelor of Engineering (B.E. ECE)**
College of Engineering, Guindy, Anna University.
CGPA - 7.68 (2021-2025)
- **Higher Secondary Certificate (HSC)**
Govt. Hr. Sec. School, Kalveerampalayam, Coimbatore
Percentage - 93.49% (2020-2021)
- **Secondary School Leaving Certificate (SSLC)**
Govt. Hr. Sec. School, Kalveerampalayam, Coimbatore
Percentage - 89.2% (2018-2019)

TECHNICAL SKILLS

- **Programming Languages:**
Java, OOPS, Python(Basics), DSA(Basics)
- **Database:**
MySQL
- **Web Development:**
HTML, CSS, JavaScript, React JS
- **Data Science & Analytics:**
Pandas, Numpy, Machine Learning

RESPONSIBILITIES

- **HR Organizer | CEG Tech Forum**
Worked in Kurukshetra 2024, facilitated smooth HR operations.
- **Joint Secretary | NSS Unit-6 of CEG**
Organized various social service activities and special camp.
- **Junior Office bearer of Events | Robotics Club of CEG**
Managed and organized events, contributed to club's successful initiatives.
- **Hospitality Coordinator | CEG Tech Forum**
Worked in Kurukshetra 2023, ensuring guest services, managing accommodations.
- **Events Coordinator | ECEA**
Organized events in VISION'23, an inter-college symposium, ensuring smooth execution.

COURSES & CERTIFICATIONS

- **Introduction to Java Programming**
Udemy
- **HTML, CSS & JavaScript**
Udemy
- **SQL Course: SQL for Data Analysis and Data Science**
Udemy

PROJECTS

- **Smart Waste Classification and Management using DL**
Developed a **deep learning model for waste detection, classification, and monitoring**. Enhanced segregation accuracy with advanced image recognition, enabling efficient and sustainable waste management in real-time applications.
- **Diabetic Retinopathy Detection using Deep Learning**
Developed a **CNN-based deep learning model** for early detection of diabetic retinopathy. Improved diagnostic accuracy through advanced image analysis techniques
- **Keeper App & Expense Tracker App**
Built and deployed two **ReactJS applications** for note-taking and expense management. Utilized **state management and hooks** to deliver intuitive user interfaces and efficient data handling.
- **Email Spam Detection using Machine Learning**
Engineered a **machine learning model** to identify and filter spam emails, using algorithms like **Logistic Regression**. Enhanced **accuracy** and reduced false positives through **iterative training and evaluation**.
- **Portfolio Website**
Developed a personal portfolio website using **HTML, CSS, and JavaScript** to showcase projects and skills. Implemented **responsive design and interactive features** to enhance user experience.

ACHIEVEMENTS

- Achieved **School First** in HSC & SSLC State Board Examinations
- Won **district level quiz competition** at school

SOFT SKILLS

- Accountability
- Leadership
- Team work
- Time management