

# ANASUL KAMILEEN. F

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## SUMMARY

Final-year Electronics and Communication Engineering student with strong academics (10th: 80%, 12th: 82.33%, CGPA: 8.93) and project experience in solar panel cleaning, cloud-based smart door lock, face recognition, and IoT waste management. Currently interning at Elite Fusion Technologies with exposure to Embedded Systems, Robotics, IoT, and Python. Skilled in Deep Learning, PyQt, and Kivy, with a passion for developing practical, real-world solutions.

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## SKILLS

- **Programming Languages:** C, Embedded C, Python
- **Frontend Development:** HTML, CSS, Tkinter, PyQt, Kivy
- **Backend Development:** ,dJango, Postgresql, Tensorflow, Keras
- **Hardware:** IOT, Embedded System, Firmware Development

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## WORK EXPERIENCE

### ELITEFUSION TECHNOLOGIES

JAN 2025 - PRESENT

- Working on a solar cleaning panel system powered by AI and microcontroller, designed to automatically detect dust accumulation and clean solar panels efficiently.
- Developed a smart aerator system that continuously monitors the dissolved oxygen (DO) levels in water and automatically controls aeration to maintain optimal conditions.

## PROJECTS

### Billing Software (PyQt + SQL)

- Developed a full-featured desktop billing system using PyQt, providing an intuitive and responsive GUI for easy billing operations.
- Implemented SQL-based data storage for managing products, customers, invoices, and transaction history with reliable CRUD operations.

### IoT Door Lock System

- Designed a secure web-based interface using HTML & CSS, allowing users to enter a password through a clean and user-friendly UI.
- Integrated IoT technology to communicate with the door lock hardware using an IP address, enabling remote authentication and real-time lock control.
- Implemented password verification and microcontroller-based actuation to automatically unlock the door upon successful validation, improving access security.

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## EDUCATION

Aug 2022 - 2026

### Bachelor of Engineering in Electronic and Communication Engineering

C. Abdul Hakeem College of Engineering and Technology, Melvisharam, Ranipet

- Currently in final year of study.
- CGPA : 8.93 - till 6<sup>th</sup> sem