# SIDDARTH M

Full Stack Developer (Python | Django | FastAPI | |HTML | CSS | SQL| JavaScript)

📍 Chennai
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🌐 Portfolio: https://siddarth-py.github.io/

## CAREER SUMMARY:

Experienced Software and Systems Engineer with 5+ years in system and software development. Full Stack Developer with strong backend expertise in Python and Django, and hands-on experience building responsive frontends. Proven ability to design RESTful APIs, optimize databases, and deliver scalable applications

## EDUCATION:

**2014- 2018 | K.Ramkrishnan College of Technology Bachelor of Engineering – Computer Science**

## SKILLS:

| | |
|---|---|
| Programming | Python,C,Embedded C,HTML,JavaScript |
| Tools | Postman,Git & GitHub, Enterprise Architect<br>IBM DOORS,JIRA,PTC |
| Framework | FASTAPI ,FLASK,DJANGO,RESTAPI |
| Database | Mysql, PostgreSQL,Sqllite |

## WORK HISTORY:

**Mileveen technologies Chennai –Python full Stack Developer from 2025 Feb –current**

- Built full stack applications reducing manual data handling by 40%-
- Designed REST APIs serving 1k+ requests/day in local testing-
- Improved database query performance by ~30% through optimization
- Developed responsive UI supporting mobile and desktop

**iElektron Technologies,Chennai - Software Engineer- July 2022 to December 2024**

**Full Stack Web Application:**

**Technologies:** Python, Django / FastAPI, HTML, CSS, JavaScript, PostgreSQL

- Developed a full stack web application with backend APIs and frontend UI
- Implemented CRUD operations and RESTful endpoints
- Designed and optimized relational database schemas
- Integrated frontend with backend APIs
- Ensured responsive design for mobile and desktop
- Clean & Maintainable Code

- Writing the Functional TEST CASES For all features and all possible combination .
- Responsible for Writing the **System level (SYS2) and Software Level Requirements(SWE1)**
- In-vehicle systems that provide entertainment, information, and connectivity features for driver &Passengers. How system interacts with each module responsible for block diagrams and interface diagram and connecting with different stakeholders get it review by them and fixing review comments and release the version
- To controlling seat with different types of motors Track Recliner and Height via **LIN & CAN Bus.**
- System level **Requirements(SYS2) and Software level Requirements (SWE1)** Features like Welcome Recall, Storing Seat in different positions.

**DESCRIPTION:**

Auto-Park is an autonomous car-maneuvering system that moves a vehicle to reach parking spot safely without any driver inputs.

Park Assist helps the driver park the vehicle using guidance technology and cameras.

Responsibilities:

- Understanding system-level requirements and releasing base versions.
- Responsible for creating and maintaining the Software Requirement Specification (SRS) Document (SWE1).
- Collaborating with stakeholders to gather and understand requirements.
- Reviewing each requirement for accuracy and feasibility.
- Addressing and resolving review comments to ensure clarity and completeness.
- Ensuring all requirements are clearly documented and up-to-date.
- Facilitating effective communication between different teams to align on project goals.
- Conducting regular meetings and follow-ups with stakeholders for updates and feedback.

**Title: TWIN BLDC MOTOR**

**DESCRIPTION:**

The BLDC motor drives the air compressor, which generates compressed air.The electronic commutation of BLDC motors allows for precise control over the motor's speed and torque, which is essential for adjusting the air pressure accurately and quickly.

**Responsibilities:**

- Initialized hardware resources, including clocks and peripherals, ensuring efficient system operation.
- Ensured system integrity using features such as CRC checks and secure boot mechanisms.
- Developed System Basis Chip (SBC) control on the RH85O microcontroller to monitor power supply and protect against overvoltage, undervoltage and overcurrent by cutting off power to the microcontroller.
- Maintained the ASPICE model, leading to consistently high-quality software development and compliance with industry standards, verified by successful audits.