

# SAMEER BORKAR

Engineer | Developer | Designer

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## PROFESSIONAL SUMMARY

Dynamic Engineer with 7+ years of experience at the intersection of Hardware and Software. Expertise in IoT Systems, Embedded Hardware, PCB Design, and Full Stack Development.

## CORE SKILLS

Hardware: IoT Systems, PCB Design, CAN Bus, Raspberry Pi, Arduino

Software: .NET MVC, SQL, Python, Java, Android (Java), iOS (Swift)

Industrial: 3D Printing, CNC Operating, Lathe Operating, Automotive Tuning

## PROJECTS

### 1. Commercial IoT Switch (15-Relay)

ESP32-based 15-relay commercial switch with mobile app and RF remote.

### 2. Smart Switch & Fan Regulator

IoT home automation controller with integrated fan speed regulation.

### 3. Automated ROS Tractor

ROS-based autonomous navigation and control systems for agricultural tractors.

### 4. Weather Monitoring Station

Raspberry Pi integrated environmental sensor suite.

### 5. LoRa Water Level Controller

Long-range wireless automated pump control system.

### 6. Car Dashboard QA System

Production-line electronics verification system for dashboards.

### 7. Mobile Banking App

Native iOS and Android secure banking solutions.

### 8. Resort Management System

Full-suite booking and administration software.

### 9. GSM 3-Phase Motor Controller

Industrial GSM controller with scheduler for 3-phase motors.

## EXTRA SKILLS

Marketing, Sales, Heavy Machinery Operation (Excavators, Trucks), Automotive Mechanics.