

## Mohammad Musharaf Shaik

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Andhra Pradesh – 522006.

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### **CAREER OBJECTIVE:**

Seeking a challenging position in an organization that values talent and skills, with the goal of contributing to the growth and expansion of both the company and myself. Eager to take on new responsibilities and continuously develop professionally within a dynamic and collaborative environment.

### **WORK EXPERIENCE:**

#### **Integra Micro Systems Pvt. Ltd – *Software Developer***

**July 2023 – Present**

- Developing and maintaining mobile applications using the Flutter framework and Dart programming language with over 2 years of experience, focusing on building scalable and user-friendly Android applications.
- Assisted in testing and validating Qt-based terminal applications developed in C/C++, with a focus on verifying UI functionality and reporting interface-related issues.

### **PROJECTS**

#### **1. UPPCL POS Billing Application**

**Role:** Flutter Developer

**Technologies Used:** Flutter, Dart, REST APIs, UPPCL API, MVVM

##### **Project Description:**

Developed a mobile POS (Point of Sale) application for **Uttar Pradesh Power Corporation Limited (UPPCL)** to streamline electricity bill collection and transactions. The application is tailored for Android-based POS devices, enabling field employees to perform real-time billing and payment collection.

##### **Key Responsibilities:**

- **Mobile App Development:** Built a responsive and robust application using Flutter and Dart for seamless operation on POS hardware.

- **API Integration:** Connected with UPPCL APIs to fetch customer billing data and process payments securely.
- **UI/UX Design:** Designed intuitive user interfaces optimized for usability and fast transaction workflows.
- **Payment Gateway Integration:** Ensured secure and reliable payment mechanisms aligned with UPPCL protocols.

#### **Achievements:**

- Successfully developed for Android-based POS devices used in the field.
- Enhanced operational efficiency for bill collection, reducing manual errors.
- Delivered a user-centric interface for faster navigation and improved usability.

## **2. Dynamic Template UI Module**

**Role:** Flutter Developer

**Technologies Used:** Flutter, Dart, REST APIs, JSON, Custom Widget Framework, dynamic UI rendering

#### **Project Description:**

Currently enhancing a dynamic UI rendering module designed to interpret structured data from databases and automatically generate adaptive user interfaces. This module streamlines the front-end development process by eliminating the need for hardcoded UI definitions and supports a broad spectrum of interactive functionalities.

#### **Key Responsibilities:**

- **Dynamic UI Rendering:** Developed templates that auto-generate UI elements based on database-driven configuration models.
- **Client Actions Integration:** Implemented action handlers for API calls, e-signatures, printing, page/group switching, field changes, toggles, and calculation logic.
- **Modular Architecture:** Contributed to a flexible and scalable widget system supporting features such as pagination and grouped data presentation.
- **Developer & Tester Utility:** Designed the module to improve productivity for developers and testers by reducing redundant front-end coding.

#### **Achievements:**

- Significantly reduced UI development time by enabling data-driven rendering.
- Enhanced flexibility in app functionality with reusable action-driven components.
- Supported rapid prototyping and testing through modular, configurable widgets.

### **COURSE ATTENDED:**

- ✓ Attended hands-on technical training program – **Advanced Embedded Systems Course** at Emertxe Information Technologies (<http://www.emertxe.com>), Bangalore
- ✓ This course is Government of India certified program, aligned with **Skill India** / NSDC under Electronics Sector Skill Council of India (<http://www.essc-india.org>) .

### **TECHNICAL SKILLS:**

- ✓ Programming Languages:
  - Flutter
  - Advanced C programming

### **ACADEMIC PROFILE:**

- ✓ B.TECH in ECE from Guntur Engineering College, Guntur 2019-2022 with 7.78 CGPA.
- ✓ DIPLOMA in ECE from Guntur Engineering College, Guntur 2016-2019 with 75%.
- ✓ S.S.C from S.C.M.P.M.C High School, Guntur 2016 with 8.3 GPA.

### **ACADEMIC PROJECT:**

#### **1. DISASTER DETECTION AND MONITORING SYSTEM USING IoT**

The main features of the project are to detect and monitor the disasters by using Internet of Things. By using Arduino UNO as a key device to detect the disasters by using different types of sensors. In this project, it majorly focuses on floods, earthquakes and temperature detection by using types of sensors like Water level sensor, Accelerometer sensor, and Temperature sensor to detect the disaster and monitor before it happens. The IoT used to alert the users near the coastal areas when any disaster is going to happen.

**PERSONAL PROFILE:**

NAME : Mohammad Musharaf Shaik  
DATE OF BIRTH : 26-12-2000  
FATHER NAME : Mohammad Gouse Basha Shaik  
MOTHER NAME : Waazida Begum Shaik  
NATIONALITY : Indian  
MARITAL STATUS : Single  
GENDER : Male  
MOTHER TONGUE : Telugu  
LANGUAGES KNOWN: Telugu, English, and Hindi

**DECLARATION:**

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

DATE:

PLACE: **(Mohammad Musharaf Shaik)**