

# Aditya Umesh

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## Summary

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Electronics & Telecommunication Engineer specializing in UI/UX Design and IoT. Proficient in Figma for high-fidelity prototyping and Flutter for cross-platform development. Focused on creating user-centric interfaces for complex technical systems and data-driven dashboards.

## Education

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**SIES Graduate School of Technology** **Navi Mumbai, India**  
*B.E. in Electronics & Telecommunication Engineering (CGPA: 8.27 / 10)* *2021 – 2025*

**Vani Vidyalaya** **Mumbai, India**  
*HSC - Science (Percentage: 87.50 / 100)* *2021*

**Vani Vidyalaya** **Mumbai, India**  
*SSC - Science (Percentage: 79.20 / 100)* *2019*

## Technical Projects

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**ShipSense: Cargo Monitoring App** | [🔗 Interactive Demo](#) **2025**

- **Problem:** Addressed data fragmentation in logistics by centralizing real-time IoT sensor data (temp, humidity, location) into a unified mobile dashboard to prevent cargo loss.
- **Decisions:** Implemented a status-driven UI with critical alerts, modular tracking cards, and color-coded data visualizations to reduce cognitive load for logistics managers.
- **Outcome:** Developed a high-fidelity prototype optimized for "zero-latency" info retrieval; learned to balance technical data density with a clean, high-contrast UI for warehouse environments.

**Digital Agency Web Page** | [🔗 Interactive Demo](#) **2025**

- **Problem:** Designed a modern landing page for a creative agency to improve brand perception and conversion through a minimalist aesthetic and clear visual storytelling.
- **Decisions:** Leveraged Figma **Auto-Layout 4.0**, a strict 12-column grid, and high-contrast typography hierarchy to ensure a professional, developer-ready design system.
- **Outcome:** Mastered component-based workflows and strategic use of whitespace to increase perceived brand value; optimized layouts for both readability and visual impact.

**IoT-Based Shipment Tracking Device** **2024 – 2025**

- Engineered a hardware tracking system using **ESP32 and GPS** to monitor cargo location and environmental conditions in real-time.
- Developed a **Flutter** mobile app for dashboard visualization and automated SMS alerts via 4G modules.

## Key Expertise

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**Languages & Tools:** Python, SQL, Dart, Flutter, Figma, Firebase

**Hardware & Embedded:** ESP32, STM32, Arduino, Sensor Integration (Temp, Humidity, GPS)

**Concepts:** UI/UX Design, IoT Architecture, Mobile App Development, Embedded Systems

## Publications, Awards & Training

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- **Research:** "Evolution of IoT-Enabled Logistics" - Published in **IJIRCCE** (April 2025).
- **Awards:** Runner-up in **TechXter 14.0** Project & Paper Presentation at SIES GST.
- **Training:** Flutter & Cloud Integration (TechBairn); FPGA Design & Verilog workshop (6 days).