V. SUDHAKAR

⚲ **Teynampet, Chennai** | ☎ **9791027326** | ✉ **sudhakarrockzz564@gmail.com**
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PROFESSIONAL SUMMARY

Full Stack Developer skilled in Java, Spring Boot, and database management (PostgreSQL). Proven experience in building automation tools, optimizing systems, and collaborating in Agile teams. Passionate about clean code and scalable solutions.

TECHNICAL SKILLS

- **Backend**: Java, Spring Boot, REST APIs
- **Frontend**: JavaScript, HTML/CSS, React
- **Databases**: PostgreSQL
- **Tools**: Git, VS Code, MATLAB

PROJECTS

- **Git Tracker Automation (Java)**

  Developed a tool to automate Git repository tracking, saving 40% effort.

- **Billing Software for a Billing Machine**

  Developed a complete billing system with product entry, GST calculation, invoice generation, and PDF export. Integrated database (PostgreSQL/MySQL) for real-time sales and inventory management.

- **EV Charging System (MATLAB)**

  Designed an interleaved Luo converter-based charging system using MATLAB simulations to improve efficiency compared to conventional methods. Integrated renewable energy sources (solar/wind) for sustainable power delivery.

- **Arduino-based Pick & Place Robot**

  Designed and built a Bluetooth-controlled robotic arm using UNO Implemented pick-and-place functionality with servo motors and gripper mechanism Developed Android app for wireless control via Bluetooth HC-05 module

EDUCATION

- BE in EEE (CGPA: 7.95)
  Loyola Institute of Technology | 2021–2025.
- HSC (Percentage : 77)
  JBAS Boys School |2021 .
- SSLC (Percentage : 77)
  JBAS Boys School |2019 .

WORK EXPERIENCE

- **Intern – Python Development**
  Gained hands-on experience with core Python (data types, loops, functions, OOP).
- **MSME (Ministry of Micro, Small & Medium Enterprises) | Embedded C**
  Gained practical experience in Embedded C programming for microcontrollers(8051/AVR/ARM).Worked on real-time hardware interfacing (LEDs, sensors, motors) using GPIO, timers, and interrupts.
- **Schneider Electric Pvt Ltd**
  Assisted in testing and documentation of electrical systems and industrial automation setups.

HACKATHON

- 🎮📝 **Game Quiz App**
  Build to Learn Hackathon @Freshworks
- Home Server By Jelly fin
  Build to Learn Hackathon @Entrans

LANGUAGE

- Tamil
- English
- Hindi