

BHUSHAN TODKAR

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EDUCATION

P.E.S. MODERN COLLEGE OF ENGINEERING, PUNE (SPPU UNIVERSITY) Pune, India
Bachelor of Engineering in Electronics and Computer Engineering (T.E.) 2023–2027

T.E. Cumulative CGPA: 8.57/10

Relevant Coursework: Data Structures & Algorithms, Database Management Systems, Object-Oriented Programming, Digital Electronics, Principles of Communication Systems

YASHAVANTRAO CHAVAN INSTITUTE OF SCIENCE Satara, India
HSC (PCMB Group) – 76.50% 2021–2023

PROFESSIONAL SUMMARY

Electronics and Computer Engineering student with strong foundations in Java, Data Structures & Algorithms, Object-Oriented Programming, Database Management Systems, and Embedded Systems. Experienced in developing software applications and IoT solutions using Java, MySQL, STM32, and LoRa technologies. Passionate about problem-solving and building real-world technology solutions.

WORK EXPERIENCE

SAKILA ROBOTICS AND AI SOLUTIONS (Remote), Pune Oct 2025
Java Programming Intern 1 Month

Smart File Organizer (Java Swing / NIO.2)

- Developed a Java Swing desktop application to automatically organize files into categorized folders.
- Implemented NIO.2 APIs and HashMap-based classification for efficient file management.
- Utilized SwingWorker for concurrent processing, maintaining GUI responsiveness during large file operations.

UNIVERSITY PROJECTS

Library Management System Feb – April 2026

Tech Stack: Java, MySQL, JDBC, Java Swing

- Developed a Library Management System using Java Swing, JDBC, and MySQL.
- Implemented book management, member registration, issue/return tracking, and search features.
- Designed a normalized database schema supporting 500+ book records.
- Integrated input validation and exception handling to improve reliability.

Off-Grid Emergency Alert System March – May 2026

Tech Stack: STM32 Blue Pill, SX1278 LoRa, NEO-6M GPS, Embedded C/C++, OLED Display

- Developed a LoRa-based emergency communication system using STM32 and SX1278 modules.
- Integrated GPS location sharing using the NEO-6M module for emergency tracking.
- Implemented four emergency alert modes: HELP, SAFE, LOST, and FOOD/WATER.
- Designed OLED, LED, and buzzer notifications for real-time alert visualization.

ADDITIONAL

Technical Skills: Java, Python, C/C++, HTML, CSS, MySQL, MongoDB, JDBC, Git, GitHub, Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP), Database Management Systems (DBMS)

Languages: English, Hindi, Marathi

Certifications & Training: Spoken Tutorial (RDBMS Training Completion Certificate – 95% Score), VOIS (Power BI for Data Analysis)