VAISHNAVI SHINDE

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EDUCATION

AISSMS INSTITUTE OF INFORMATION TECHNOLOGY   Pune, Maharashtra
Bachelor of Technology in Electronics and Telecommunication Engineering   Expected August 2026
Cumulative GPA: 7.42/10; First Class with Distinction
Relevant Coursework: SQL Programming, Web Development, Microcontroller Systems

PROJECT EXPERIENCE

SQL Data Analysis for Online Retail Store | *SQL, Data Analytics*
- Conducted data analysis on 50,000+ sales records to uncover trends in customer behavior, sales performance, and product demand.
- Wrote optimized SQL queries involving joins, subqueries, aggregations, and window functions to extract actionable insights
- Built custom reports and dashboards to support data-driven business decisions, improving sales forecasting accuracy by 15%.
- Identified top-performing products and low-conversion regions, aiding in marketing strategy refinement.

Portable Digital Storage Oscilloscope | *ESP32, ILI9341 Display, Embedded Systems, IoT*
- Designed and developed a portable, battery-powered DSO using ESP32 microcontroller and ILI9341 TFT display for real-time visualization of analog signals.
- Implemented ADC sampling and signal processing algorithms to capture and display waveforms with high accuracy and low latency.
- Integrated features like adjustable time base, voltage scaling, and trigger controls, enhancing usability for field diagnostics.

AutoLease Management System|*Java, OOP, JDBC*
- Developed a vehicle rental system managing 50+ vehicles and 100+ users using Java OOP principles: Encapsulation, Inheritance, Polymorphism, and Abstraction.
- Designed modular classes for Vehicles, Users, and Bookings; implemented 5 specialized vehicle types via inheritance.
- Used polymorphism for dynamic booking operations and interfaces for payment/notification modules.Managed persistent data with JDBC and SQL, supporting 80+ simultaneous bookings efficiently.

WORK EXPERIENCE

PCB Design Intern | Javak Microcircuit Pvt. Ltd. | Jun 2025 – Jul 2025
- Designed and simulated PCB layouts using EDA tools (e.g.proteus) ensuring signal integrity and optimized component placement.
- Generated Gerber files and collaborated with the manufacturing team for prototype fabrication and testing.
- Performed circuit debugging, continuity testing, and design validation, reducing layout errors by 15%.
- Gained hands-on experience in hardware design workflow, from schematic creation to final board production, while strengthening teamwork and project management skills.

CERTIFICATE

- Internet of Things (NPTEL)
- Introduction Computer Networking Basics(Simplilearn)
- Java by Hackerrank
- SQL Certification course :basic to Advanced (Geekster)

TECHNICAL SKILLS

Programming & Development: Java,SQL, HTML, CSS, JavaScript,Git
Core Concepts: Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP), Computer Networks, Embedded Systems
Hardware & Circuit Design: PCB Design, Circuit Simulation, Microcontroller Interfacing
Software Tools: SCILAB, Arduino IDE, Xilinx, Proteus, Multisim,Visual Studio Code (VS Code)
Extracurricular activities : Secretary of TESA Committee, organized college events, participated in hackathons & culture program.