NISHANTH SANJAY N

Enthusiastic and Analytical IT Engineer

✉ Email 📞 Phone GitHub in LinkedIn 🌐 Portfolio

PROFESSIONAL SUMMARY:

Dedicated IT programmer focused on designing innovative, user-centric solutions using cutting-edge technologies. Committed to continuous learning and staying ahead of emerging trends, with a strong drive to apply technical expertise and creative problem-solving to deliver impactful, real-world outcomes.

EDUCATION:

B.Tech in Information Technology | **AUG 2023 – PRESENT**
Madras Institute of Technology (MIT), Anna University, Chennai-44 | CGPA: 8.15 / 10.0
12th Grade | **2022 – 2023**
AVB Matriculation Higher Secondary School, Coimbatore-20 | Percentage: 93%

TECHNICAL SKILLS:

Programming Languages	:	C, C++, Python
Web Technologies	:	HTML, CSS, JavaScript, React.js, Responsive Design
Relevant Courseworks	:	Data Structures & Algorithms, OOP, DBMS
Databases	:	MySQL, Oracle DB, MongoDB
Tools & Platforms	:	Git, GitHub, Linux
Software Model	:	Agile (Scrum)
Soft Skills	:	Problem Solving, Communication, Teamwork, Critical Thinking, Presentation

PERSONAL PROJECTS:

FinCore – Banking Management System (C++) | **SEP – NOV 2024**

- Developed a robust console-based banking system supporting account creation, transactions, and history logs.
- Applied OOP principles and optimized data operations using `vector`, improving data retrieval efficiency.
- Implemented timestamped logging and enhanced search functions, increasing lookup speed by 30%.

SmartService – Service & Inventory Manager (MySQL) | **SEP – NOV 2024**

- Designed and normalized a relational schema for service bookings, billing, and inventory control.
- Improved query performance with indexing and ACID-compliant transactions, reducing data conflicts.
- Automated multi-user workflows using modular SQL procedures, enabling scalable ERP-like operations.

Foodify – Online Food Ordering Platform (React.js) | **FEB – APR 2025**

- Built a responsive SPA with secure authentication and role-based dashboards for users and admins.
- Simulated real-time order and inventory operations using mock REST APIs for a near-production experience.
- Applied S.O.L.I.D principles and modular component design, improving maintainability and scalability.

ACHIEVEMENTS & ACTIVITIES:

- **Paper Presentation** 📄
  Presented an IoT-based smart infrastructure project at **Idea Ignition '25**, Velammal Engineering College, Chennai, recognized for innovation, feasibility, and real-world applicability.

- **Club Activities:**
  - Technical Member, **Computer Society of MIT**
    Contributed to platform development and supported technical workflows for club events and initiatives.
  - Volunteer , **National Service Scheme (NSS)**
    Engaged in community outreach, cleanliness drives, and campus awareness campaigns.

INTERESTS:

• Book Enthusiast • Chess • Mathematics • Analytical Thinking • Movies • Art & Designing