

# NISHANTH SANJAY N

Information Technology Undergraduate

✉ Email 📞 Phone 🌐 GitHub 📄 LinkedIn 📁 Portfolio

## PROFESSIONAL SUMMARY

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Motivated Information Technology undergraduate skilled in Data Structures, Algorithms, DBMS and backend development using Java and Spring Boot. Passionate about building scalable software systems and solving real-world problems.

## EDUCATION

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<b>B.Tech in Information Technology</b>	<b>Aug 2023 – May 2027 (Present)</b>
Madras Institute of Technology (MIT), Anna University	CGPA: 8.21 / 10.0
<b>12<sup>th</sup> Grade</b>	<b>2022 – 2023</b>
AVB Matriculation Higher Secondary School	Percentage: 93%

## PROJECTS

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**LearnSphere – E-Learning & Course Management Platform** Oct – Nov 2025

*Tech Stack: Java, Spring Boot, MySQL, REST APIs, JPA, Hibernate*

- Developed a backend system using Java and Spring Boot with MVC architecture and role-based access control.
- Built scalable REST APIs with transactional workflows and optimized service-layer logic for multi-user course management.

**Customer Churn Prediction System** Oct – Nov 2025

*Tech Stack: Python, Pandas, NumPy, Scikit-learn, Matplotlib*

- Built a machine learning pipeline to predict customer churn using data preprocessing, feature engineering, and exploratory data analysis.
- Trained and evaluated classification models using accuracy, precision, recall, and ROC-AUC metrics with feature importance visualization.

**FinCore – Banking Management System** Sep – Nov 2024

*Tech Stack: Java, File I/O, Data Structures*

- Developed a modular banking management system supporting account creation, transaction processing, and persistent storage using file handling.
- Optimized search and data handling routines, improving lookup efficiency by **30%**.

## TECHNICAL SKILLS

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- Programming Languages: Java C++ Python C
- Systems & Platforms: Linux Git GitHub
- Web Technologies: HTML CSS JavaScript Spring Spring Boot
- Databases: MySQL MongoDB
- Soft Skills: Teamwork Problem Solving Time Management Volunteering Communication
- Core CS Concepts: Data Structures Database Management systems Operating Systems  
Object-oriented Programming Computer Networks Machine Learning

## CLUB ACTIVITIES

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- **Volunteer**, National Service Scheme  
Participated in community outreach programs, campus awareness initiatives, and social impact activities.
- **Technical Member**, Computer Society of MIT  
Participated in technical events, coding initiatives, and collaborative learning activities.