

R. PRANAAV SANJITH

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CAREER OBJECTIVE

B.Tech Information Technology student with strong foundations in software development, data analytics, and applied machine learning. Passionate about building scalable systems and leveraging data-driven solutions to solve real-world problems.

EDUCATION

Madras Institute of Technology, Anna University

B.Tech in Information Technology

2022 – 2026

CGPA: 7.02/10

TECHNICAL SKILLS

- **Programming:** Python, Java, C
- **Databases:** MySQL, MongoDB
- **Web Development:** HTML, CSS, JavaScript, PHP, Flask
- **Core:** OOPS, DBMS, OS
- **Libraries & Tools:** Pandas, NumPy, Scikit-learn, Matplotlib
- **Areas of Interest:** Web Development, Application Development, AI, ML, Data Science & Analytics.

PROJECTS

Customer Segmentation Model (LRFM)

May 2025 – Jun 2025

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

- Designed and implemented an LRFM-based customer segmentation model for e-commerce analytics.
- Applied K-Means clustering to classify customers into actionable segments.
- Improved marketing decision-making through data-driven customer insights.

GeoLocker – Secure File Storage System

Jan 2025 – Mar 2025

Tech Stack: Flask, AES-GCM, PostgreSQL

- Developed a secure cloud-based file storage system using Flask.
- Implemented AES-GCM encryption to ensure data confidentiality and integrity.
- Designed role-based access control using PostgreSQL.

Real-Time Fraud Detection Dashboard

Sep 2023 – Oct 2023

Tech Stack: React, Python, MySQL

- Built a real-time financial monitoring dashboard using React and Python.
- Implemented anomaly detection logic for suspicious transaction alerts.
- Integrated MySQL for real-time transaction tracking and storage.

CERTIFICATIONS

- AWS Academy Cloud Foundations (2024)
- TCS iON Career Edge – Young Professional
- Happy Aerospace Internship (2024)

ACHIEVEMENTS

- Winner – Vibe Coding (CSMIT 2024)
- 2024 Zonal Winners – MIT Football Team
- 3rd Place – Model United Nations

LEADERSHIP

- Head of Media & Marketing
- Vice Captain – MIT Football Team
- Public Relations – IoT Club