

# SANJANA PALKAR

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<https://github.com/Sanjana-Code0>

## SUMMARY

Proficient in developing full-stack applications with Python, Java, and C#, with hands-on experience in Machine Learning, Explainable AI (XAI), and web development. Seeking a challenging Software Development Engineer role to apply diverse technical skills and contribute to innovative software solutions.

## EDUCATION

<b>Master of Computer Applications (MCA)</b>	<b>CGPA:9.4</b>	<b>Aug 2024 - May 2026</b>
Sardar Patel Institute of Technology, Mumbai, IN		
<b>Bachelor of Science in Information Technology (BSc IT)</b>	<b>CGPA:9.75</b>	<b>May 2021 - May 2024</b>
Dnyandeep College of Science And Commerce, Ratnagiri, IN		

## SKILLS

- **Programming Languages:** Java, Python, C#, SQL
- **Frontend Technologies:** HTML, CSS, JSP, Tailwind CSS, Streamlit
- **Backend Technologies & Databases:** Java Servlets, Scikit-learn, XGBoost, SHAP, SQLAlchemy, PostgreSQL, MySQL
- **Developer Tools & Platforms:** Git, GitHub, VS Code, Postman, Streamlit Community Cloud

## PROJECTS

<b>Explainable AI Financial Advisor (Python, ML &amp; XAI)</b>	<b>Present</b>
<ul style="list-style-type: none"><li>• Engineered an AI financial advisor using Python and XGBoost for personalized risk profiling and investment advice.</li><li>• Implemented Explainable AI (XAI) with SHAP to provide transparent, understandable model recommendations.</li><li>• Built and deployed a full-stack application with a Streamlit UI, Python backend, and PostgreSQL database.</li></ul>	

<b>Online Student Feedback Management System (Java Web)</b>	<b>April 2025-May 2025</b>
<ul style="list-style-type: none"><li>• Developed a web application using Java Servlets, JSP, and MySQL for student feedback submission and admin analytics.</li><li>• Engineered secure user authentication and role-based access control (Student/Admin) using Java Servlets.</li></ul>	

<b>College Management System (C# &amp; .NET)</b>	<b>May2023-Jan 2024</b>
<ul style="list-style-type: none"><li>• Built a comprehensive desktop application using C# and MySQL for managing student and faculty data.</li><li>• Designed a normalized database schema to ensure data integrity and efficient performance.</li></ul>	

## LEADERSHIP & KEY ACHIEVEMENTS

- **Creative Subcommittee Member** | Sardar Patel Institute of Technology **Present**
- Coordinate with a team to design and promote institute-level technical events, developing promotional materials and student engagement strategies.
- **Undergraduate Leadership & Academic Excellence** **May 2021-May 2024**
- **University-Level Recognition:** Secured top-three rankings in University and Zonal-level competitions for English Debate and Creative Writing, demonstrating strong communication and analytical skills.