

Tanmay Patel

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OBJECTIVE

Seeking an opportunity in a supportive and challenging environment that promotes growth and learning, with the goal of effectively applying skills and knowledge to contribute to organizational success while fostering continuous professional development.

EDUCATION

QUALIFICATION	INSTITUTION	PERCENTAGE	YEAR
Master of Computer Application (MCA)	GLS University	87.36% (Avg.of sem1 & sem2)	2024 - Pursuing
Bachelor of Computer Application (BCA)	GLS University	81.00%	2021 - 2024
Higher Secondary Certificate (HSC)	Shree Narayana Guru Vidyalaya (SNGV)	66.27%	May - 2021
Secondary School Certificate (SSC)	Shree Narayana Guru Vidyalaya (SNGV)	69.00%	March - 2019

TECHNICAL SKILLS

- Databases:** MySQL, MongoDB
- Programming Languages:** Python, HTML, CSS
- OS:** Windows, Linux, MAC
- Tools & Technologies:** Django, Jupyter Notebook, Pandas, NumPy, Matplotlib, Scikit-learn, Machine Learning Algorithms (Classification, Regression, etc.)
- Coursework:** Data Science, MEAN, Flutter (Dart)

PROJECTS

Loan Classification System - Machine Learning, Python, Pandas, Scikit-learn (MCA- 3 Months)

- **Description:** Built a machine learning model to classify loan applications based on applicant data. The project involved preprocessing raw loan datasets by handling missing values, removing irrelevant features, and normalizing data. Classification models were implemented to predict loan approval status or risk categories, with model performance evaluated using standard accuracy and precision metrics.
- **Role:** ML Developer

Library Fine Status Prediction System - Machine Learning, Python, Pandas, Scikit-learn (MCA-3 Month)

- **Description:** Developed a machine learning-based system to predict the fine status of library users as Paid, Unpaid, or Pending. Cleaned and transformed historical issue-return datasets to prepare them for analysis. Implemented and compared multiple classification algorithms to identify the most accurate model. The system aimed to automate fine status tracking and assist library administrators in efficient decision-making.
- **Role:** ML Developer

Event Management System – Django, Python, HTML, CSS, SQLite (BCA - 3 Months)

- **Description:** Developed a full-stack web application using Django for managing events with features like user registration, login authentication, event creation, and guest management. Implemented admin controls and PDF generation for event details.
- **Role:** BackEnd Developer

Smart Irrigation System (IoT) - Arduino, Soil Moisture Sensor, Relay Module (3 Days)

- **Description:** Designed and implemented a compact, efficient smart irrigation system leveraging IoT technology to automate watering based on real-time soil moisture data. The system intelligently controls a water pump using a relay module, significantly reducing manual intervention and optimizing water usage for small-scale agriculture or gardening applications.
- **Role:** Designed and developed an automated irrigation system using Arduino and IoT sensors, handling system integration, motor control, and real-time sensor data processing.

CERTIFICATIONS

- Participated in IT Quiz – tested knowledge in information technology and current trends(2025)
- Competed in Code Rewind – programming challenge to solve real-time coding problems(2025)
- Engaged in Digital Twin IoT event – explored applications of IoT and digital twin technologies(2025)
- Certificate of Data Analytics(2025)
- Currently pursuing data scientist from Datamites Institute (nasscom & IABAC) (

AREA OF INTEREST

- Data Scientist
- AI & Machine Learning
- Web Developer
- Database Management