

Kumari Archita

+91 9794095689 | archita3122@gmail.com | [LinkedIn](#) | [LeetCode](#)

Cyber-Physical Systems student skilled in Python, Embedded C, SQL, and data analytics, with strong communication, leadership, and time-management abilities. Hands-on experience in ML, IoT, and dashboard design. Proven track record in mentoring, teamwork, and delivering real-world tech solutions.



EDUCATION

Manipal Institute of Technology

Bachelor of Technology in Cyber Physical Systems — CGPA - 7.68

Manipal, Karnataka

July 2023 – May 2027

Loyola High School

All India Senior School Certificate Examination — Percentage-86

Patna, Bihar

July 2020 – April 2022

EXPERIENCE

Board Member – Management Head

International Society of Automation (ISA), MIT Student Section

Sept. 2024 – Present

Manipal, Karnataka

- Coordinated and executed planning for 5+ major technical events with 100+ attendees, ensuring timely logistics and smooth operations
- Conducted monthly alignment meetings between 6 cross-functional subsystems, directly addressing and resolving issues, and maintaining consistent progress towards organizing and managing club-wide events.

Management Committee Member

The Photography Club

Oct. 2023 – April 2025

Manipal, Karnataka

- Directed 10+ campus-wide event coverages, producing high-impact visual content under tight deadlines
- Conducted a workshop on Photography and Lightroom for 100 juniors, resulting in 70+ gaining practical editing skills and contributing to projects within a month
- Guided 10+ mentees while maintaining streamlined communication and driving active team engagement, empathy, and conflict resolution

PROJECTS

Loan Default Risk Analysis | Python, Pandas, Scikit-learn, Power BI, SQL, Excel

May 2024 – June 2024

- **GitHub:** <https://github.com/archiie24/Loan-Risk-Analysis>
- Built an end-to-end loan risk analysis pipeline, boosting model accuracy to 80% on validation data
- Cleaned and processed 350+ records from Kaggle's loan dataset using Pandas and SQL
- Created 6+ insightful Power BI visuals, showcasing credit history, loan status, and ML predictions

RFID-based Electronic Voting Machine | 8051 Microcontroller, RFID, LCD, Embedded C

Aug 2023 – Nov 2023

- Developed a secure electronic voting prototype using 8051 microcontroller and RFID, capable of handling 30+ voters
- Achieved 100% vote authentication accuracy via UID-based RFID tag validation
- Created a real-time voting status display on LCD screens during faculty live testing sessions, enhancing communication efficiency and engagement while facilitating immediate feedback collection.

Smart Parking System

Aug 2023 – Nov 2023

- Built an IoT-based smart parking solution to detect and alert parking slot status in a team of 3
- Created a real-time web interface using Google Maps API for slot visualization

TECHNICAL SKILLS

Languages: C/C++, SQL, Python, Excel, HTML/CSS

Developer Tools: Git, VS Code, Jupyter Notebook

Libraries & Frameworks: pandas, NumPy, Matplotlib, openpyxl

Analytics & Visualization Tools: Power BI, Excel

Databases & Tools: MySQL, Google BigQuery, SQLite

CS Fundamentals: Data Structures, Algorithms, OOP, Basic System Design

Other Skills: Data Cleaning, Data Visualization, Debugging, Version Control, ML Model Development

CERTIFICATIONS

Google Data Analytics Professional Certificate

IBM Introduction to Artificial Intelligence

IBM Generative AI: Introduction and Applications (ongoing)