

AADITYA JAIN

Final Year Student at Thapar Institute of Engineering and Technology

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♦ [LinkedIn](#) ♦ [Portfolio](#) ♦ [GitHub](#)

EDUCATION

Thapar Institute of Engineering & Technology

B.Tech. In Electrical Engineering

Minor in Computer Science

August 2023-Present

CGPA: 7.90/10.0

August 2024 – Dec 2025

EXPERIENCE

Research Intern - Samsung R&D (Remote)

Sept'25-Mar'26

- Contributed to applied machine learning research initiatives, assisting with data preprocessing, model experimentation, and evaluation of model performance.
- Conducted literature review and benchmarking of existing approaches to support ongoing research problem statements.
- Collaborated remotely with a research team, documenting findings and experiment results for internal review.

Summer Intern – Reckers Automation (Onsite)

June'25-July'26

- Gained hands-on exposure to PLC programming, HMI interfacing, VFD drives, and industrial sensor integration during structured summer training.
- Observed and documented real-time industrial automation workflows across control panels and production equipment.
- Assisted engineers in understanding practical applications of control and automation systems in a live manufacturing environment.

PROJECT

InternKhojo | Founder & Full-Stack Developer

- Founded and **independently built** a full-stack internship and **career platform for Indian college students**.
- Owned end-to-end product strategy, development, and go-to-market planning** as sole founder.

Tools: Next.js, Supabase | [Live Link](#)

Bank Transaction Fraud Analysis

- Analysed **150K+ bank transactions** using PostgreSQL to uncover fraud patterns and customer–merchant behavior trends.
- Wrote **20+ optimized SQL queries**, improving data extraction efficiency by ~30%.
- Identified **high-risk transaction patterns**, enabling faster anomaly detection and fraud insights.

Tools: SQL, Git | [GitHub](#)

Para Glove | Partial Paralysis Treatment Gloves

- Built an assistive glove using a rotary motor and sensors to support motion assistance for partial paralysis rehabilitation.
- Used sensor feedback to track speed and degree of rotation, feeding real-time input to the motor control loop.

Tools: C++, Arduino UNO, Sensors, Rotary Motors, Arduino IDE

Krishi Rakshak | Automatic farm Irrigation & Management System

- Developed a fully automated, mobile-controlled wireless irrigation system that monitors soil moisture and water levels in real time to optimize water usage.
- Integrated GSM communication for remote control and alerts, reducing manual labour for farmers.

Tools: C++, Arduino UNO, GSM Module, Water Pumps, Sensors

SKILLS

- Programming Languages:** Python, C++, SQL, JavaScript
- Web & Frameworks:** React.js, Next.js, MongoDB
- Machine Learning:** Python (NumPy, Pandas), Data Preprocessing, Model Evaluation
- Embedded & Control Systems:** Arduino IDE, PLC & SCADA

CERTIFICATES

- Deloitte Data Analytics Job Simulation [Link](#)
- HackerRank SQL Basic Level Certificate [Link](#)
- HackerRank SQL Immediate Level Certificate [Link](#)

ACHIEVEMENTS & EXTRACURRICULAR ACTIVITIES

- IIT Bombay E-Summit Eureka'22** – Ranked in **top 500** teams amongst **15000+ teams worldwide**.
- IIT Bombay E-Summit Eureka Jr'22** – **Qualified for Semi-Finals** amongst all school participants.
- Code Red 2.0 (YI)** – Placed in **top 10%** of Participating Team.
- RoboWars: Hell in the Cell, Saturnalia'24 (TIET)** – **Bronze Position Holder**.
- Selected as Joint Secretary** to lead a team of **200+ students** in Thapar University's largest technical society, the **Association for Computing Machinery (ACM)**.
- Selected as Creative Head** to lead a team of **50+ members PAN India** in **BloodConnect Foundation (BCT)**.