

# Ayushi Roy

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• <https://github.com/AyushiROy>

## EDUCATION

**SRM Institute of Science and Technology | Kattankulathur, Tamil Nadu**

**B.Tech in Computer Science Engineering with specialization in Artificial Intelligence and Machine Learning | GPA: 9.85 | 2022-2026**

**Relevant Courses:** Computer Organization, Artificial Intelligence, Data Structures, Operating Systems, Algorithms & Analysis

## TECHNICAL SKILLS

**Programming Languages:** HTML and CSS (Advanced), Javascript (Intermediate), C(Advanced), C++ (Advanced), Python (Intermediate), Java (Intermediate), C# (Intermediate)

**Design:** Figma (Advanced), Canva (Advanced), Adobe Illustrator (Intermediate)

**Key Skills:** ReactJS, Flutter, Tailwind CSS, JQuery, NodeJs, PostgreSQL

## PROJECTS

**GreenGo Sustainable Transportation App | PALS IIT InnoWAH! Finale**

**January 2024**

- Led a high-performing team of 3 in developing a feature-rich mobile app using Flutter, integrating Carpooling, Cycle routes via Google Maps API, Train Schedule via IRCTC API, Step Tracking, and EcoNews modules.
- Designed the complete UI on **Figma** & helped in debugging, ideating and led the business pitch to the judges
- Presented the Project to a panel of PALS IIT members in Finals and received special mention for technology implementation and user-friendly design.

**FairShare Bill Splitting Web Application | Personal Project**

**February 2024**

- Engineered a visually appealing user interface by translating self-designed **Figma** mockups into a functional website using **React** and **Tailwind CSS** for frontend and **NodeJS** and **PostgreSQL** for backend.
- Created algorithms for splitting bills equally and unequally, keeping track of expenses and generating monthly receipts using Machine Learning.
- Has many real-time applications and is currently under College Faculty to be deployed soon and used by students

**CommuniSafe Digital Box App | Hack-O-Hire Barclays**

**April 2024**

- Collaborated with a team of 4 and developed a mobile application with the implementation of Communication and Document Management APIs, ETL processes and Encryption Algorithm.
- Used AWS Cloud, **React Native** and **NodeJs** for development and **Qlikview ML** for analytics.
- Implemented AI chatbot to automate complaint handling and customer service.
- Classified complaints based on severity and allowed instant two-way communication

## PROFESSIONAL EXPERIENCE

**Machine Learning Intern | HDFC Life, Dubai**

**June 2024- Current**

- Cleaning, preprocessing and storing six years of historical data to be used for key metrics and pattern recognition.
- Designing and developing dashboards for Reinsurance and Retail to display performance indicators.
- Formulating Machine Learning Models to analyze customer demographics and predict high-profit segments.
- Improved the turnaround time of document processing by adding IDP to auto-classify and validate documents without manual intervention.

**Software Engineer Intern | Reliance General Insurance, Mumbai**

**June 2023**

- Trained in SQL and C# with a team of mentors and worked on improving existing database systems currently in use.
- Created CRUD applications and interfaced with APIs to enhance Banking Process
- Learnt optimization of operational workflows and integration of chatbot in the official website.
  - Gave me practical exposure to key knowledge and allowed me to attend workshops on Artificial Intelligence

**Curriculum Developer | Team Everest**

**Summer 2023**

- Developed a curriculum for English and History for underprivileged students studying in Government Schools in India
- Worked closely with the NGO leaders to ensure the best possible curriculum and enhance comprehension skills of the students.

## TECHNICAL CLUB EXPERIENCE

**Member | Robotics Domain | NextGen AI**

**September 2022 – June 2023**

- Was selected by a rigorous testing and technical interview process amongst various candidates
- Assisted Club Executives to host Hackathons and Technical Fests