

# ADITYA CHAWLA

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## Education

### Chitkara University

Bachelor of Engineering in Computer Science (CGPA of 8.28)

September 2022 - May 2026

Rajpura, Punjab

## Technical Skills

**Languages:** C++, Java, JavaScript, C, Python, SQL, HTML, CSS

**Technologies/Frameworks/Libraries:** Nodejs, MongoDB, Reactjs, Redis, Canva, Figma, GitHub, UX/UI Design, Machine Learning

## Experience

### Chitkara University

September 2022 – May 2026

Student

Rajpura, Punjab

- Performed detailed cybersecurity assessments through systematic pen-testing routines, identifying 10+ exploitable flaws per project cycle resulting in immediate enhancements to protocols governing user access permissions
- Crafted 12+ innovative user interface prototypes using Figma, which have been pivotal in engaging multiple users during testing phases, demonstrating a marked improvement in usability and functionality in real-world scenarios
- Spearheaded the creation of predictive analytics models that identified bottlenecks within service delivery processes; findings led to targeted strategies resolving the top two causes of delays

## Projects

### Match N Catch | MERN Stack (MongoDB, Express, React, Node.js)

September 2024

- Developed a dynamic e-commerce platform showcasing the latest fashion trends using the MERN stack, delivering a seamless and responsive shopping experience for over 200 unique users across desktop and mobile devices
- Implemented advanced product browsing, filtering, and purchasing features with a user-friendly, interactive React-based interface
- Optimized data management with MongoDB, reducing data retrieval times by 40%, and ensured intuitive navigation across devices, enhancing the mobile user experience

### Movie Recommender System | Python, Machine Learning

March 2024

- Built a web-based movie recommendation system with Python, recommending over 500 movies based on individual user preferences and viewing history
- Implemented machine learning algorithms for personalized suggestions, achieving a 92% accuracy in user satisfaction ratings
- Designed an intuitive interface allowing users to input preferences and explore personalized movie suggestions, resulting in a 25% increase in time spent on the platform

### Quizzer | HTML, CSS, JavaScript

December 2023

- Created a test management system enabling quiz creation, user management, and real-time result tracking
- Integrated an interactive chatbot to guide users through the quiz, enhancing user engagement
- Designed an intuitive, user-centered interface for both participants and administrators, improving quiz completion rates and streamlining the management process

### Payments Platform Redesign | Figma

February 2023

- Collaborated as a freelance UI/UX designer for a micro and nano payments collection platform, enhancing user experience through optimized layouts and intuitive workflows
- Enhanced web application UI by implementing light/dark mode color schemes to improve visual adaptability
- Refined label placements and layout measurements to ensure optimal usability and aesthetic consistency in web design

## Achievements and Certifications

- National Semi-finalist: TATA Imagination Challenge (October 2023)
- Machine Learning Capstone Certification: IBM
- Blockchain Foundation and Scope Practices Certification: Coursera
- Generative AI Certification: IBM

## Interests

- Chess
- Chrono-Cosmos Study
- Competitive Programming   [leetcode.com/u/Aditya\\_Chawla/](https://leetcode.com/u/Aditya_Chawla/)