

# Aman Kapoor

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## EDUCATION

### Thapar Institute of Engineering and Technology

Bachelor of Engineering in Computer Science(CGPA : 8.00)

Patiala ,Punjab

2022 –2026

### SD Public School

PCM(Grade 97.2%)

Muzaffarnagar,Uttar Pradesh

2020-2022

## PROJECTS

### Campus-Connect | React.js, Express.js, MongoDB, Nodemailer

Feb 2025 - Apr 2025

- Developed a student dashboard enabling real-time search and booking of faculty meeting slots by department, specialization or availability.
- Implemented a secure authentication flow using OTP verification for signup and JWT-based middleware for protecting authenticated backend routes.
- Designed and built REST APIs for user management, slot creation, and slot booking.
- Integrated the frontend with backend services to support an end to end booking workflow.
- Repository Link

### Chatly | React.js, Express.js, MongoDB, Socket.io

Jun 2025 - Jul 2025

- Built a full-stack chat application supporting real-time 1-to-1 and group messaging using Socket.io.
- Implemented user authentication, group creation, and message persistence with Express.js and MongoDB.
- Built a responsive React.js UI featuring live updates, chat history, and active user indicators.
- Repository Link

### PYQ Analyser | Python, PaddleOCR, PyTorch, BERT,

Oct 2024 - Dec 2024

- Built an AI-driven tool to extract and classify questions from academic textbooks and PYQ papers.
- Developed an automated NLP extraction pipeline using PaddleOCR to parse unstructured PDF textbooks and convert raw image data into structured CSV datasets.
- Fine tuned a BERT transformer model using PyTorch to perform multi-class context classification, training the system to predict question topics.
- Developed data analysis visualizations using matplotlib and seaborn for keyword frequency and question length distribution.

## TECHNICAL SKILLS

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

**Technologies/Frameworks:** React.js, Express.js, Node.js, MongoDB, Socket.io

**Developer Tools:** GitHub, Postman, Selenium, TestNG

**Relevant Coursework:** Operating Systems, Computer Networks, Data Structures

## POSITION OF RESPONSIBILITY

### Head of Photography | Fine Arts and Photography Society

Jun 2024 - Aug 2025

- Orchestrated photography coverage and co-directed planning for “Kaleidoscope”, a flagship visual arts event with 4000+ attendees.
- Planned and led multiple independent photography and editing workshops, mentoring new members in both creative and technical aspects.

### Executive Board (Media) | Saturnalia-Annual Cultural Fest

Sep 2024 – Nov 2024

- Directed a media team of first-year photographers to cover 15+ events during Saturnalia, Thapar’s annual cultural festival.
- Supervised photo and video shoots, ensuring complete and timely media coverage of all major festival highlights.

## ACHIEVEMENTS

**Adobe Gen AI Hackathon 2024 :** Ranked top 5% nationwide.

**Scholarship :** Received merit scholarship at Thapar Institute of Engineering and Technology.

**JEE Main :** Ranked in the top 2% nationwide among test takers.