

# ADITYA ARORA

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## EDUCATION

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**Pranveer Singh Institute of Technology, Kanpur**  
B.Tech in Computer Science & Engineering  
Minor in Artificial Intelligence & Machine Learning

2024 - 2028 (*Expected*)  
**Overall GPA: 8.42**

## TECHNICAL SKILLS

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<b>Programming Languages</b>	Java, C++, Python, Dart
<b>Frameworks &amp; Tools</b>	Flutter, JavaFX, Firebase, Git, Linux
<b>Core Concepts</b>	Data Structures & Algorithms, OOP, REST APIs
<b>Databases</b>	SQLite, MySQL

## PROJECTS

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### PDF Layout Automation Tool – JavaFX

Dec 2024 - Feb 2025

- Designed and developed a GUI-based automation tool to process and arrange PDF documents for printing
- Implemented PDF rendering and region-based cropping using the **MuPDF** library
- Enabled users to define reusable reference templates by selecting crop regions and print layouts
- Automated repetitive workflows such as extracting cards or images from PDFs and arranging them into print-ready formats
- Added support for multiple custom image layouts to handle different printing requirements
- Significantly reduced manual effort by **90%** and processing time for high-volume document printing
- **Tech Stack:** Java, JavaFX, MuPDF, PDF Processing

### PSIT Lite – Flutter Application

July 2025 - Present

- Built a fast, offline-first Flutter app to display attendance, timetable, and academic records
- Implemented encrypted local storage and auto-login using SharedPreferences
- Designed modular widgets and optimized API calls using timestamp-based synchronization
- Reduced unnecessary network calls through local caching and intelligent data refresh logic
- Improved user experience for **200+** students by providing a faster alternative to the standard ERP
- **Tech Stack:** Flutter, Dart, Firebase, REST APIs

## ACHIEVEMENTS

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**Hackathon Runner-up:** Secured **2nd place among 1000+ students** in a college-wide algorithmic challenge (Start of 2nd Year).

## INTERESTS & TECHNICAL FOCUS

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Strong interest in backend systems, performance optimization, and scalable software design  
Comfortable working in Linux-based development environments