

# Aman Kumar

Junior Undergraduate

BS in Data Science and applications

Indian Institute of Technology Madras

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## ACADEMIC DETAILS

Degree	Specialization	Institute	Year	CGPA/%
B.S.	<i>Data Science</i>	IIT Madras	2023-Present	8/10
Class XII	<i>Physics, Chemistry, Maths</i>	Aditya Birla Public School, Bhuj	2022-2023	78/100
Class X		Aditya Birla Public School, Sidhi	2021-2022	74/100

## TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, HTML, CSS, SQL, Java, C++, C, Python,
- **Tools:** System Commands (Ubuntu), Power BI, Figma, Framer, Google Colab, Excel
- **Libraries:** React Js, Next Js, Vue Js, Django, Flask, SQLite, Bootstrap, Tailwind CSS

## PROJECTS

- **Nextjs with Firebase**  
Technologies : Next Js, Shadcn UI, Firebase, Tailwind CSS, Code stitching  
Use : Resource collecting website, students share there learnings and some good resources they come across internet while browsing.
  - Build a prototype of the app workflow
  - Rebuilt many things from starting like Chat section
  - Used AI tools to improve UI and reduce code lines
  - Added and edited security rules multiple times
  - Updating with new features once in a month
  - Gained 40+ Users till now
  - <https://iitm-resources.vercel.app/>
- **HouseHold Services 2 (Independent Project)**  
Technologies : Vue Js 2, Vue Router 3, Flask, SQLAlchemy, Celery, Redis, Chart Js, Bootstrap  
Use : Service Professionals can find there work, and customers can book there services. All things are monitored by admin
  - Build a responsive designed in Figma by deciding grids
  - Used **Celery** and **Redis** for background Jobs, bootstrap for styling.
  - Used **Vue Router 3** to build navigation
  - Learnings : Build solid ER Design and website flowchart before starting, Debug with proper statements
  - [https://github.com/23f2005380/23f2005380\\_Housing](https://github.com/23f2005380/23f2005380_Housing)
- **Sponsorship (Independent Project)**  
**Technologies : Flask, Jinja, SQLAlchemy, Bootstrap, Matplotlib**  
**Use : Website to let companies find there advertisement influencer, and organization there sponsors.**
  - First Full stack development project, rigorous but very much learning giver
  - Redesigned models to solve problems occurring in between
  - Build every possible feature so that user do not gets problem in using it.
  - For better visualizations of there work, added charts using matplotlib
  - Build within 2 weeks along with college studies.
  - Learnings : This project gave me many learning about how the project should began and how it should be finished. It taught me importance of planning before starting projects. It also taught me to me UI as much simple as possible.<https://github.com/23f2005380/SponsorAndInvestor2>
- **2D Games (Independent Project)**
  - These are some games which I made when I was in 9<sup>th</sup> standard.
  - These demonstrate my ability to write algorithms and create simulations.
  - They helped me learn how to use JavaScript at its best, if it is used properly it can make the sites like movie theatres.
  - These games lead me be creative and as well as logical with code.
  - These are some of which I created but these are just for fun.
  - Infinite runner : [Click for Live Demo](#)
  - Ping Pong : [Click for Live Demo](#)
  - Maze Beater : [Click for Live Demo](#)

ACHIEVEMENTS & CERTIFICATE

- 6 times earned “Top Course Grade” Badge in Data Science
- Selected for Finals in ECell Pitching Competition
- [JavaScript](#), [Java](#), [React + Redux](#), [C++](#), [C](#), [Swift \(Basic\)](#), [Jquery](#)
- Participated in multiple Machine Learning workshops
- Ranked in Top 50 in all subjects till date done in Bs in Data Science and applications

EXTRA-CURRICULAR ACTIVITIES

- |  |                     |
|--|---------------------|
| • Core member in Paradox IITM BS       | [Feb '24]           |
| • Volunteer At Nyasa School for Chetna | [Dec '22 – Nov '23] |
| • State Level Football (Under 17)      |                     |