

Harsh Pratap Singh

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Education

Indian Institute of Technology

Bachelor of Science Data Science and Programming

- Project GPA: 9.25
- Overall GPA: 7.56

Madras

Sept. 2022 - Aug. 2026

IFTM University

Bachelor of Science Maths

- GPA: 7.52

Moradabad

July 2022 - June 2025

Project Experience

TaskOrbit – Service Management Web App

Jan. 2025

Solo Project, IIT Madras

- Developed a full-stack platform with role-based access for Admin, Customer, and Service Professionals.
- Implemented frontend in Vue.js and backend in Flask + SQL with JWT authentication and background task handling.
- Achieved S grade (10/10) in IIT Madras BS program.

ReadOrbit – Digital Library System

Jan. 2024

Solo Project, IIT Madras

- Developed a full-stack multi-user e-book platform with secure authentication and CRUD operations.
- Implemented Flask backend, SQL persistence, and a responsive Bootstrap + Vue.js interface.
- Achieved S grade (10/10) in IIT Madras BS program.

PocketSmart – Gamified Financial Literacy App

May 2025 - Aug. 2025

Project Manager, IIT Madras

- Directed a 7-member team to design and build a gamified financial literacy app for children (ages 8–14).
- Integrated AI chatbot feature enabling kids to ask and clarify doubts.
- Coordinated milestones, ensured delivery on time, and contributed to both frontend (Vue.js) and backend (Flask, SQL).

Leadership & Activities

Team Leader – Strategies for Professional Growth Project

May 2025 - Aug. 2025

Indian Institute of technology, Madras

- Led a 5-member team to research and present communication & listening strategies.
- Delegated tasks and delivered presentation with positive faculty feedback.

Class Representative

July 2022 - June. 2024

IFTM University

- Represented 140+ students; communicated updates between faculty and classmates.
- Improved collaboration and streamlined academic coordination.

PassMeter – Grade Calculator for IITM BS Students

April 2025

- Launched a utility app with 380+ views, 210+ users, and 1,100+ interactions.
- Addressed a student pain point: IITM BS final grades take a week to publish and vary by course-specific formulas.
- Simplified academic planning by automating SGPA/CGPA calculation with dynamic input fields per subject.
- Enhanced engagement with witty, course-specific feedback comments.

Technical Skills

- **Languages & Databases:** Python, JavaScript, SQL, Java, HTML, CSS
- **Frameworks & Tools:** Flask, Vue.js, Bootstrap, Git, Docker
- **Data Science/ML:** Pandas, NumPy, Scikit-learn, XGBoost, LightGBM
- **Other Tools:** Google Sheets, JIRA, Notion, Figma (beginner)
- **Soft Skills:** Team Leadership, Documentation, Communication, Analytical Thinking