

Mayank Kumar

Jamshedpur, Jharkhand | 9204636108 | 23f1003168@ds.study.iitm.ac.in

Career Objective

Motivated BS Data Science student at IIT Madras with strong foundations in programming, backend development, and machine learning. Seeking opportunities to apply technical skills in real-world projects, build scalable systems, and contribute to data-driven solutions.

Education

BS in Data Science, Indian Institute of Technology Madras (Expected 2027)

Technical Skills

Programming: Python, Java, JavaScript, SQL, DSA

Web Development: React, Vue.js, Flask, FastAPI, HTML/CSS, Tailwind, Bootstrap, Jinja2

Databases: SQLite, SQLAlchemy

Tools: Git, GitHub, Vite, Postman, Celery, Redis, HackerRank

Machine Learning: Basics of ML, LLM Prompting, Gemini LLM Integration

Other: REST APIs, GitHub Pages Automation, Async Systems, Linux/WSL, Deployment (Render, Vercel)

Projects & Hackathons

FedEx SMART Hackathon – AI Debt Collection Assistant

Sole participant; designed and implemented an end-to-end AI-based debt collection system with ML-driven recovery probability scoring, priority ranking, REST APIs, and full frontend-backend deployment.

- GitHub: <https://github.com/Mayankkumar0509/fedex-dca-ai-hub>
- Live App: <https://mayankkumar0509.github.io/fedex-dca-ai-hub/>
- Backend API: <https://fedex-dca-ai-hub.onrender.com/>

LLM GitHub Pages Deployment System

Automated deployment system using FastAPI, Google Gemini LLM, and GitHub API to generate, deploy, and update projects with GitHub Pages activation and retry mechanisms.

GitHub: https://github.com/Mayankkumar0509/TDS_Project1

Quiz Master V1 – Full Stack Quiz App

Interactive quiz system with Flask backend, responsive UI, admin features, and score tracking.

GitHub: <https://github.com/Mayankkumar0509/MAD-I-Quiz-Master---V1>

Quiz Master V2 – Improved Version

Enhanced version with improved UI, backend architecture, and application logic.

GitHub: <https://github.com/Mayankkumar0509/MAD-2-Quiz-Master---V2>

Business Data Management Project

Worked with small shops to analyze operational data and provide data-driven business strategies.

Certifications & Workshops

Applied Vibe Coding Workshop – Centre for Outreach and Digital Education, IIT Madras

Conducted by Mr. Anand (Co-founder, Gramener) | Completed: 15 Nov 2025

Certificate: [Verification Link](#)

HackerRank Certificate: <https://www.hackerrank.com/certificates/af4e73fd1677>

Achievements & Activities

- Capital One Launchpad 2025 Hackathon
- India Connected: APIs for a Billion Lives Hackathon

Languages

English, Hindi

Interests

Chess (active player)