30-DAY PREP HOLIDAY STUDY PLAN

AI/ML + Agentic AI + End-Sem Revision

DAILY FIXED ROUTINE

- 5:30 AM: Wake up

- 6:00–9:00 AM: Gym + Travel

- 9:00–10:30 AM: Bath + Breakfast

- 10:30 AM–1:30 PM: Deep Work (AI/ML)

- 2:00–4:25 PM: End-Sem Revision

- 5:15–8:30 PM: Light Work (AI/ML Projects/Tutorials)

- 9:00–10:30 PM: Walk + Relax

- 11:00 PM: Sleep

STUDY BLOCKS

Block 1 (10:30–1:30): AI/ML – Deep Work

Block 2 (2:00–4:25): End-Sem Revision

Block 3 (5:15–8:30): AI/ML – Light Work

WEEK 1 – Machine Learning

- Learn ML basics: Regression, Classification, Metrics

- Implement algorithms: Linear/Logistic Regression, SVM, Trees

- Mini projects and notes

WEEK 2 – Deep Learning

- PyTorch basics, Neural Networks, CNNs

- MNIST and CIFAR-10 projects

- Tutorials + practice

WEEK 3 – LLMs, RAG, Agentic AI

- LLM fundamentals, prompts, embeddings

- Build RAG app, LangChain tools, Memory agents

- Projects: PDF Q&A; bot, tool-calling agent

WEEK 4 – Projects + Automation

- ML project + LLM project + Agent automation

- Clean code, GitHub documentation

- Testing + refinement

END-SEM REVISION SCHEDULE (Daily 2–4:25 PM)

- 2:00–3:15 PM: Subject 1 revision

- 3:15–3:30 PM: Break

- 3:30–4:25 PM: Subject 2 revision

WEEKLY SUBJECT ROTATION

Mon: DLD + Microprocessors

Tue: DBMS + OS

Wed: COA + DSA

Thu: Maths + Backlog

Fri: PYQs + Tests

Sat: Weak subject improvement

Sun: Light revision only

EXPECTED OUTCOMES

- ML + DL foundations

- LLMs + RAG + Agents

- 3 Portfolio-ready projects

- Full end-sem revision with low stress

- Balanced life, gym, walk, rest