Software Engineering with Machine Learning 🫠

✅ Why is it Important?

✅ Required Skillset?

✅ How to Learn?

Watch Full Video

Software Engineering with Machine Learning = Software Engineering + Machine Learning & Deep Learning Skills

Python Proficiency:
- Basic, Loops, Functions, OOP, Data Structures, Error Handling

Web Development:
- Django / FastAPI, REST API, Authentication, ORM

Dev Tools:
- Git (Version Control), Docker (Containerization)
- GitHub Actions (CI/CD)

Machine Learning & DL: (Watch)
- Linear Algebra & Statistics
- scikit-learn, pandas, numpy, TensorFlow, PyTorch, Model serving via API

API Performance & Security:
- Low latency, Error handling
- Token Auth, Rate limiting

Database Knowledge:
- PostgreSQL (Django), MongoDB (FastAPI)
- ORM integration

Deployment:
- Dockerized apps on Render, Railway, AWS
- Redis & Celery for async tasks

Courses:
- Backend API Development with Python
- Data Science & Machine Learning with Python
- Deep Learning & Generative AI