

Days 13-90: Your Complete ML Challenge Roadmap

Current Status (Day 12)

✓ Completed Courses (3):

- Generative AI: Boost Your Cybersecurity Career
- Machine Learning with Python
- Data Analytics with Python

✓ Existing Projects: Multiple data science/analysis projects

Remaining: 78 days | Target: 7-9 more courses + 2-3 advanced projects

PHASE 1: Database & Big Data Foundation (Days 13-25)

Days 13-15: Advanced MySQL Topics

Daily Schedule:

- **Day 13:** Introduction + Basic Advanced Concepts (2 hours)
- **Day 14:** Complex Queries + Performance Optimization (2 hours)
- **Day 15:** Advanced Features + Course Completion (2 hours)

LinkedIn Posts:

- Day 13: "Why I'm focusing on databases before advanced ML"
- Day 15: "Advanced MySQL completed! Here's what I learned" + SQL code screenshot

Days 16-22: Machine Learning with Apache Spark

Daily Schedule:

- **Days 16-18:** Spark Fundamentals + Setup (1.5 hours/day)
- **Days 19-21:** ML with Spark + Practical Exercises (2 hours/day)
- **Day 22:** Course Completion + Mini Project (2 hours)

LinkedIn Posts:

- Day 16: "From SQL to Spark - scaling up my ML skills"
- Day 19: "Processing massive datasets with Spark" + performance comparison
- Day 22: "Spark ML course complete! Built my first distributed ML model"

Days 23-25: Introduction to Big Data with Spark and Hadoop

Daily Schedule:

- **Day 23:** Hadoop Ecosystem Overview (1.5 hours)
- **Day 24:** Spark-Hadoop Integration (1.5 hours)
- **Day 25:** Big Data Architecture + Course Completion (2 hours)

LinkedIn Posts:

- Day 25: "Big Data foundations complete! Ready for enterprise-scale projects"
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PHASE 2: First Advanced Project (Days 26-35)

Days 26-35: Big Data ML Pipeline Project

Project Goal: Build a real-time data processing pipeline with ML predictions

Daily Breakdown:

- **Days 26-27:** Project planning + data source setup
- **Days 28-30:** Data ingestion pipeline (Spark/Hadoop)
- **Days 31-33:** ML model integration + testing
- **Days 34-35:** Documentation + deployment

LinkedIn Content (Every 2 days):

- Day 26: "Starting my first big data ML project"
 - Day 28: "Building real-time data pipelines" + architecture diagram
 - Day 30: "Challenges in processing 1M+ records" + solutions
 - Day 32: "Integrating ML models with big data" + code snippets
 - Day 34: "Project complete! Processing real-time data with ML predictions" + demo video
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PHASE 3: Computer Vision Specialization (Days 36-50)

Days 36-42: Introduction to Computer Vision and Image Processing

Daily Schedule:

- **Days 36-37:** CV Fundamentals + OpenCV basics (1.5 hours/day)
- **Days 38-40:** Image Processing Techniques (1.5 hours/day)
- **Days 41-42:** Object Detection + Course Completion (2 hours/day)

LinkedIn Posts:

- Day 36: "Diving into Computer Vision - the future of AI"

- Day 39: "Image processing techniques" + before/after image comparison
- Day 42: "Computer Vision fundamentals complete!"

Days 43-50: Computer Vision Project

Project Goal: Build an AI-powered image recognition application

Daily Breakdown:

- **Days 43-44:** Project setup + dataset preparation
- **Days 45-47:** Model training + optimization
- **Days 48-49:** Web app development (if doing React course)
- **Day 50:** Final testing + deployment

LinkedIn Content:

- Day 43: "Building my first computer vision application"
 - Day 45: "Training custom image recognition models" + training graphs
 - Day 47: "Model accuracy improvements" + comparison charts
 - Day 50: "CV project live! Check out my image recognition app" + demo
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PHASE 4: Web Frameworks for ML (Days 51-65)

Days 51-57: Flask for ML Applications

Daily Schedule:

- **Days 51-52:** Flask Fundamentals + API Development (1.5 hours/day)
- **Days 53-54:** ML Model Integration + RESTful APIs (1.5 hours/day)
- **Days 55-56:** Flask Templates + Data Visualization (1.5 hours/day)
- **Day 57:** Flask Security + Deployment (2 hours)

LinkedIn Posts:

- Day 51: "Why Flask is perfect for ML engineers"
- Day 54: "Building ML APIs with Flask" + API endpoint screenshots
- Day 57: "Flask for ML applications mastered! Ready to deploy models"

Days 58-65: ML Web Application Project

Project Goal: Build a complete ML web application with Flask/Django

Daily Breakdown:

- **Days 58-59:** Project setup + ML model preparation
- **Days 60-61:** Flask/Django backend + API development
- **Days 62-63:** Frontend integration + data visualization
- **Days 64-65:** Testing + deployment (Heroku/Railway)

LinkedIn Content:

- Day 58: "Building a full-stack ML web application"
 - Day 60: "ML model deployment with Flask" + code snippets
 - Day 63: "Interactive ML predictions in the browser" + app screenshots
 - Day 65: "ML web app deployed! Try my live model predictions" + live demo link
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PHASE 5: Specialization & Polish (Days 66-85)

Days 66-70: Python Project for Data Science

Daily Schedule: Complete in 5 days (1.5 hours/day) **Focus:** Advanced Python techniques for DS

Days 71-75: Web Analytics with Python

Daily Schedule: Complete in 5 days (1.5 hours/day) **Focus:** Analytics and tracking implementation

Days 76-80: Working with Data in Android

Daily Schedule: Complete in 5 days (1.5 hours/day) **Focus:** Mobile data applications

Days 81-85: Data Cleaning in Excel

Daily Schedule: Complete in 5 days (1 hour/day) **Focus:** Quick wins and practical skills

LinkedIn Strategy for Phase 5:

- Weekly roundups instead of daily posts
 - Focus on skill combinations and portfolio building
 - Share completed project portfolio
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PHASE 6: Final Projects & Portfolio (Days 86-90)

Days 86-90: Portfolio Optimization

Goals:

- **Day 86:** Portfolio website creation/update
- **Day 87:** GitHub repository organization
- **Day 88:** LinkedIn profile optimization

- **Day 89:** Resume update with new skills
- **Day 90:** Challenge completion celebration post

Final LinkedIn Content:

- Day 86: "Building my data science portfolio website"
 - Day 88: "90 days later - from beginner to ML engineer"
 - Day 90: "90 Days of ML Challenge COMPLETE! Here's everything I built" + full showcase
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Final Achievement Goals

Courses Completed (10-12 total):

1. ☒ Generative AI: Boost Your Cybersecurity Career
2. ☒ Machine Learning with Python
3. ☒ Data Analytics with Python
4. Advanced MySQL Topics
5. Machine Learning with Apache Spark
6. Introduction to Big Data with Spark and Hadoop
7. Introduction to Computer Vision and Image Processing
8. Advanced React
9. Python Project for Data Science
10. Web Analytics with Python
11. Working with Data in Android
12. Data Cleaning in Excel

Projects Portfolio (5 total):

1. ☒ Existing DS/Analysis projects
2. Big Data ML Pipeline (Real-time processing)
3. Computer Vision Application (Image recognition)
4. ML Web Application (Flask/Django deployment)
5. Portfolio Website (Showcase everything)

LinkedIn Metrics Target:

- **240+ posts** over 90 days (2.7 posts/day average)
- **1000+ new connections** in ML/DS community
- **50+ meaningful conversations** with industry professionals

- 10+ recruiter interactions
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Daily Routine Template

Weekdays:

- **Morning (1-2 hours):** Course content + hands-on practice
- **Evening (30 mins):** LinkedIn post + community engagement
- **Weekend:** Project work + weekly planning

Content Themes:

- **Monday:** Weekly goals + motivation
 - **Tuesday-Thursday:** Technical learning + code sharing
 - **Friday:** Weekly wins + project updates
 - **Weekend:** Reflection + community engagement
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Success Tracking

Weekly Check-ins:

- ☐ Courses completed this week
- ☐ Project milestones achieved
- ☐ LinkedIn engagement metrics
- ☐ New connections made
- ☐ Learning challenges faced

Monthly Milestones:

- **Month 1 (Days 1-30):** Foundation + First Advanced Project
 - **Month 2 (Days 31-60):** Specialization + Second Major Project
 - **Month 3 (Days 61-90):** Polish + Portfolio Completion
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Remember: This roadmap is aggressive but achievable. Adjust timelines if needed, but maintain consistency. The goal is sustainable learning that leads to real career growth! 🚀