

Goals	Success Criteria	Actions	Resources	Support	Timing
Goal 1: Strengthen Statistical Foundations and Domain Expertise	<ul style="list-style-type: none"> At least 3 dedicated completed courses on statistics Dedicate 4 hours/week to reading domain-specific research papers (e.g., IEEE/ACM journals) and/or books 	<ul style="list-style-type: none"> Enroll in advanced statistics courses on DataCamp and Coursera Read the <i>An Introduction to Statistical Learning with Applications in Python</i> book by James et al. (2023) 	<ul style="list-style-type: none"> Online Courses: Coursera, Pluralsight, DataCamp Communities: LinkedIn groups, Tech groups 	<ul style="list-style-type: none"> Work peers Work mentors Work interest groups 	In the next 3-6 months
Goal 2: Master Advanced Machine Learning Techniques on Networks	<ul style="list-style-type: none"> Achieve certification on Neo4J (graph technology) Thesis completion with distinction 	<ul style="list-style-type: none"> Complete the Neo4J graph training course Build a thesis/final year project using graph/network analysis Read the <i>Network Science</i> book by Barabasi (2016) 	<ul style="list-style-type: none"> Online course materials and books Workplace credits on Neo4J training courses (request from employer) 	<ul style="list-style-type: none"> Online data science communities Offline data science communities and meetups Work peers Work mentors 	In the next 8 months (30 weeks)
Goal 3: Ensure Ethical Data Practices and Regulatory Compliance	<ul style="list-style-type: none"> Ethics course certification Approval of ethics section in thesis by advisor 	<ul style="list-style-type: none"> Complete a 4-week online course (e.g., Ethics in AI by edX). Incorporate ethical considerations into thesis methodology Write a blog on ethics in AI 	<ul style="list-style-type: none"> University ethics committee guidelines Online course materials and books 	<ul style="list-style-type: none"> Online data science communities Work peers Work interest groups 	In the next 8 months (30 weeks)