



DATA SCIENCE • INTERMEDIATE • THE APPLIED DS/ML CAREER TRACK

Applied Data Science Bootcamp

From SQL to shipped models: statistics, ML, MLOps and generative systems — with a graded portfolio reviewed by working data scientists.

🕒 12 weeks

💡 Live online + mentored projects

★ 4.8 · 380+ trained

PROGRAMME OVERVIEW

About this programme

Our most complete career-track programme. Twelve weeks of live instruction and mentored labs take analysts and engineers from data literacy to shipping models: statistical thinking, classical ML, deep learning foundations, MLOps discipline and the generative-AI systems reshaping the field.

OBJECTIVES

What this programme sets out to do



Build a working command of statistical foundations



Go deep on machine learning core



Develop practical skill in deep learning & GenAI



Master mLOps & delivery

AT A GLANCE

Key facts

CATEGORY Data Science	LEVEL Intermediate
DURATION 12 weeks · ≈ 72 contact hours	FORMAT Live online + mentored projects
COHORT SIZE Public & private cohorts	RATING 4.8 / 5 (380+ trained)
LANGUAGES 12+ (English, Hindi, Kannada ...)	CERTIFICATE Verifiable digital credential

WHO IT'S DESIGNED & DELIVERED FOR

Cohorts

Analysts, engineers and career-switchers with basic SQL/Python.

Analysts

engineers

career-switchers with basic SQL/Python

Pre-requisites

- Basic Python and SQL familiarity.
- A laptop for the hands-on segments.
- One or two real use-cases from your work to apply the learning to.

Tentative duration & effort

12 weeks

- ≈ 72 total contact hours
- Live online + mentored projects
- Pacing adapts to your cohort; private cohorts can be re-scoped

WHAT YOU TAKE AWAY

Tangible outputs

- A verifiable, shareable digital certificate
- A role-specific prompt / playbook library
- Qube AI copilot access during the programme
- Session recordings and all working materials
- Entry to the Qubicon alumni community & office hours

MODULE - BY - MODULE

What we cover

MODULE	KEY TOPICS COVERED	HRS*
01 Statistical foundations	Distributions and uncertainty · Hypothesis testing that isn't theatre · Causal thinking · Experiment design	18
02 Machine learning core	Feature engineering · Tree ensembles and linear models · Validation and leakage · Interpretability (SHAP)	18
03 Deep learning & GenAI	Neural nets from intuition · Embeddings everywhere · Fine-tuning vs prompting · RAG architectures	18
04 MLOps & delivery	Pipelines and versioning · Monitoring and drift · Serving patterns · Capstone delivery	18

*Indicative contact hours per module; tuned to your cohort's pace and any private-cohort customisation.

TOOLS & TECHNOLOGIES

What you'll work with

- Python
- scikit-learn
- PyTorch
- MLflow
- dbt
- Claude API

PROGRAMME OUTCOMES

What you'll be able to do

- ✓ Frame business problems as tractable data problems
- ✓ Build, validate and interpret classical ML models properly
- ✓ Operate the modern stack: experiment tracking to deployment
- ✓ Integrate LLMs and embeddings into data products
- ✓ Graduate with 3 portfolio projects reviewed by practitioners

Delivery & certification

- Live, expert-led sessions with hands-on labs and mentoring
- The Qube AI copilot supports every learner between sessions
- Delivered in 12+ languages with domain-accurate translation
- Verifiable digital certificate — verify any code at qubiconai.com/verify

Investment

\$150/hr · ₹6,999/hr

- **Individuals:** enrol & pay online (cards / UPI)
- **Enterprises:** quote → PO → GST invoice → net-30, zero upfront
- Private cohorts, on-site delivery & volume rates on request



For corporates & institutions

- Private cohorts engineered around your stack, data and use-cases
- Curriculum built by principal instructors with the Qube engine
- Capability analytics: engagement, skill-lift and applied-project ROI
- Procurement-friendly: quote → PO → GST invoice → net-30, zero upfront
- MSA, data-security review and on-prem / VPC delivery supported

For individual learners

- Enrol and pay online — cards, UPI or Razorpay
- Live, expert-led sessions (never pre-recorded)
- A verifiable certificate you can share with employers
- The Qube AI copilot supporting you between sessions
- Recordings, materials and an active alumni community

WHY QUBICON.AI

50K+

PROFESSIONALS TRAINED

650+

ENTERPRISE CLIENTS

50+

COUNTRIES SERVED

98%

SATISFACTION SCORE

- Live and expert-led — taught by practitioners who ship AI
- Qube, an adaptive AI copilot, for every single learner

- Verifiable, shareable certification employers trust
- Delivered in 12+ languages, localised to your teams
- Curriculum engineered around your industry and stack



Ready to begin?

Enrol, request a private cohort, or book a free 30-minute consult — our team replies within one business day.

WEBSITE

www.qubiconai.com

Programmes, catalogue & enrolment

EMAIL

contact@qubiconai.com

Corporate & institutional enquiries

OFFICES

Bengaluru · San Francisco

India & USA · delivery in 50+ countries

BOOK A CONSULT

qubiconai.com/book

Free 30-minute capability call

Enrol or request this programme for your team

Reference QBN-APPLIED-DATA-SCIENCE-B · Applied Data Science Bootcamp

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