VIDHYAVIKAS ACADEMY

AI-ML & Data Science

Python, machine learning models, generative AI tools and projects, with optional Coursera, IBM, Microsoft, Google and AWS Academy pathways.

Who it is for

Degree students who want to build machine learning models and work with generative AI. Open to: Students of any degree. Delivery: live on campus.

Modules

01 · Python programming

- Core Python
- Python for data

02 · Machine learning models

- Supervised and unsupervised learning
- Training and evaluating models

03 · Generative AI tools

- How large language models work
- Prompting and building with generative AI

04 · Projects

- Applied machine learning project
- Generative AI project

AI module

Applied machine learning and generative AI

How the programme builds

Level	What you learn	AI module	Placement module	Output
Foundation	Tools and basics for the chosen option	AI awareness for the field	Aptitude and resume basics	Mini project
Intermediate	Industry tools and certificate preparation	AI applied to the field	Group discussion, LinkedIn, interview basics	Project and internship

Advanced and placement	Specialisation and live case work	AI in real workflows	Role-based training and mock interviews	Capstone and internship

Outcomes

- Write Python programs for data work
- Build and test machine learning models
- Use generative AI tools in real projects
- Apply machine learning to a problem in your field
- Present a project portfolio to employers

Tools

Python · Jupyter notebooks · scikit-learn · Generative AI tools

Certificates

- Programme completion certificate (included)
- Project certificate (included)
- Internship certificate, countersigned by the host company (included)
- Language certification (included)
- Personality development certificate (included)
- Coursera certification (optional pathway, exam fee separate)
- IBM certification (optional pathway, exam fee separate)
- Microsoft certification (optional pathway, exam fee separate)
- Google certification (optional pathway, exam fee separate)
- AWS Academy certification (optional pathway, exam fee separate)

Career roles

Junior ML engineer · Data science associate · AI developer (entry level)