

Machine learning engineer (fresher)

Company: [Company name]

Location: [Location] | Work mode: [Work mode]

Employment type: Full-time | CTC: [CTC for the full-time role]

Joining: [Joining date] | Apply by: [Apply by]

About [Company name]

[About your company]

About the role

[Company name] is hiring a fresher machine learning engineer to join the [Team] team. You will help turn trained models into services that our apps can call: writing the code that prepares data, runs training jobs and returns predictions. You will work with senior engineers and data scientists, write tests, and learn how to monitor a model after launch. This role suits someone who enjoys coding as much as modelling.

What you will do

- Write Python code that loads, validates and transforms data for model training, with unit tests.
- Turn data scientists' notebook code into clean, modular scripts and reusable functions.
- Train and retrain models with scikit-learn, PyTorch or TensorFlow, using the team's experiment-tracking setup.
- Wrap a trained model in a simple API with FastAPI or Flask, and test its response time and error handling.
- Package code with Docker and run it on a cloud server or managed service, guided by a senior engineer.
- Version code in Git and use the team's approved tools to record dataset versions, model artefacts, dependencies and experiment settings.
- Record approved operational metrics and prediction summaries, keep sensitive values out of logs, and review errors with a senior engineer.
- Run scheduled batch prediction jobs and report any failure with its cause.
- Fix bugs in data and training pipelines, and write a short note on each cause and fix.
- Submit small pull requests and respond to code review comments.

What we are looking for

- Strong Python: functions, classes, error handling, virtual environments and packaging basics.
- Data structures and algorithms at the level of a good B.Tech or BCA course.
- Core machine learning concepts: supervised learning, loss, overfitting, train and test splits, and evaluation metrics.
- Hands-on use of at least one framework: scikit-learn, PyTorch or TensorFlow.
- Git and command-line comfort in a Linux or macOS terminal.
- Working knowledge of REST APIs: calling one and building a simple one.
- Basic SQL.
- One project that goes beyond a notebook, such as a model behind an API, a small app or a scheduled script.

Good to have

- Docker basics and a deployed demo, even on a free cloud tier.
- Experience with experiment tracking tools such as MLflow.
- Hands-on use of a large language model (LLM) API or Hugging Face models, including how you tested the outputs.
- A project on AWS, Google Cloud or Azure.
- Contributions to an open-source repository or a published package.

Who can apply

B.Tech, BE, M.Tech and MCA graduates in computer science, IT, AI and data science or electronics fit best. BCA and BSc (Computer Science) graduates with strong programming fit too. Coding ability and one project that runs outside a notebook matter more than the degree stream.

How to apply

Apply through this job post by [\[Apply by\]](#). Shortlisted candidates will hear from us about the next steps.

Machine learning engineer intern

Company: [Company name]

Location: [Location] | Work mode: [Work mode]

Employment type: Internship | Duration: [Internship duration] | Stipend: [Stipend for the internship]

Joining: [Joining date] | Apply by: [Apply by]

About [Company name]

[About your company]

About the role

[Company name] is looking for a machine learning intern to support our engineers on model pipelines. You will write and test small pieces of Python, run training jobs and help package a model for use in an application. This suits pre-final and final-year B.Tech, BCA, MCA and M.Tech students who code comfortably and have trained at least one model.

What you will do

- Write Python functions for data cleaning and feature preparation, with simple tests.
- Run training scripts with different settings and record the results in the team's tracker.
- Build a small demo API around an existing model and document how to call it.
- Write a README and setup steps so that others can run a project.
- Review approved, sanitised prediction logs for errors and unusual patterns, and report findings to your mentor.
- Fix small bugs in existing pipelines through pull requests that a mentor reviews.

What we are looking for

- Studying for, or recently completed, a B.Tech, BCA, MCA or M.Tech in computer science, IT or a related field.
- Comfort writing and debugging Python scripts without help on simple tasks.
- Basic understanding of one machine learning algorithm and how to evaluate it.
- A GitHub profile or project link with code we can read.
- Git and command-line basics.

Who can apply

B.Tech, BE, M.Tech and MCA graduates in computer science, IT, AI and data science or electronics fit best. BCA and BSc (Computer Science) graduates with strong programming fit too. Coding ability and one project that runs outside a notebook matter more than the degree stream.

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Screening questions to add to your job post

1. **You have a trained model saved as a file. How would you let another application get predictions from it?** Looks for the idea of an API or a batch job. Weaker answers only describe retraining.
2. **Name one reason a model can score well in your notebook and still give wrong predictions inside an application.** Good answers mention preprocessing done differently in training and serving, different input formats, library version changes or data that has drifted.
3. **How would you make sure you can reproduce a model you trained last month?** Looks for version control, fixed random seeds, saved configuration, a dependency file and a record of which data was used.
4. **Share a link to a repository whose code runs outside a notebook, or describe one if the code is private, and say in one line how to run it.** Tests engineering habits. A README, a requirements file and a clear run command show that the candidate has packaged work for other people.
5. **Name one signal you would monitor after deploying a model, and explain what it would tell you.** Look for a split between service health, such as errors or response time, and prediction quality. A shift in input data can prompt a closer look. Comparing predictions with real outcomes helps judge model quality.
6. **How would you test a Python function that cleans phone numbers?** Shows engineering thinking. Strong answers list edge cases such as empty values, spaces, country codes and letters, instead of checking one sample by eye.