

ARYAN SAINI

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Summary

Maintainer of [pytorch-forecasting](#) and Core Developer at [sktime](#), contracted part-time by the [sktime](#) organisation. Experience in maintainership along with ML fundamentals: API design and deprecation, code review, CI and release engineering, docs, and mentoring new contributors. Integrated B.Tech and M.Tech student graduating 2027.

Education

Atal Bihari Vajpayee Indian Institute of Information Technology & Management **2027 (Expected)**
Integrated B.Tech + M.Tech in Information Technology | CGPA: 8.39/10 *Gwalior, India*

Open Source Experience

[pytorch-forecasting](#) (5k stars) **Remote**
Lead Maintainer | Release Manager *Sept 2025 – Present*

- Own the neural forecasting roadmap and the release process. Lead the v2 rework while keeping the v1 public API stable for existing users.
- Implemented the [xLSTMTIME](#) forecaster, upstreamed from a personal implementation.

[sktime](#) (10k stars) **Remote**
Core Developer | GSoC & ESoC Mentor *Sept 2025 – Present*

- Joined as an ESoC mentee in 2025, appointed [Core Developer](#) on that work, contracted part-time from Aug 2026.
- Reviewed 150+ community pull requests across the organisation; maintain CI, test coverage and release tooling.
- Mentor for GSoC and ESoC across two cohorts for torch projects, implemented the RBF network, MAPA and Hurst exponent forecasters in [sktime](#).

[pykalman](#) (1.3k stars) **Remote**
Collaborator *Jan 2025*

- Helped bring a dormant project back to a maintainable state: set up CI and linting, resolved dependency and packaging issues, and refreshed the docs. Authored the 0.10.0 release PR (first release work), later applied as release manager for [pytorch-forecasting](#).

Industry Experience

ecoSPECS GmbH **Ulm, Germany (onsite)**
Open Source ML Intern *May 2026 – Jul 2026*

- Worked on design for Integration on time series foundation models into the [pytorch-forecasting](#) ecosystem and advanced the v2 rework toward release, acting as maintainer, release manager and GSoC/ESoC mentor during the placement.

Across The Globe **Remote**
AI/ML Intern *Jun 2024 – Oct 2024*

- Built conversational AI pipelines on [LangGraph](#), including retrieval, tool routing and multi-turn state handling. Shipped two prototypes to internal demo ([repo](#)).

Talks & Workshops

[Forecasting Workshop with sktime](#) | [WeAreDevelopers World Congress, Berlin](#) **Jul 2026**

- One of four speakers on the official programme for this 120-minute hands-on workshop, alongside the [sktime](#) project lead. Revised the workshop notebooks against the current [sktime](#) interface, including a rewrite of the deep learning and forecasting foundation models material.

Projects

[PyQit \(GitHub\)](#) | [Quantum machine learning, Python, PennyLane, PyTorch Lightning](#) **Ongoing**

- Backend-agnostic framework for quantum ML, separating model definitions from training loops behind one interface. Includes a Monte Carlo barren plateau estimator that flags untrainable circuits before training starts, and type-safe composition catching dimension mismatches at construction rather than runtime.

Technical Skills

Languages: Python, C++, C, Bash

Machine Learning: PyTorch, PyTorch Lightning, scikit-learn, Hugging Face, pandas, NumPy, time series forecasting

Maintainership: code review, API and deprecation design, semantic versioning and releases, Python packaging, GitHub Actions and CI/CD, pytest, Sphinx docs, static typing, contributor mentoring