

# Vishnu Keshav Senthil

## Senior ML / AI Platform Engineer

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I build and operate platforms for production AI. My work spans model serving, agent infrastructure, retrieval, and the tools engineers use to build on them. I started in applied data science, which still shapes how I design services for people running models in production.

## Experience

### Senior ML / AI Platform Engineer | Shipt

Oct 2023 - Present

- Build and operate shared AI services, from feature serving and model delivery to agent infrastructure.
- Develop retrieval and evaluation workflows that make answer quality easier to inspect.
- Build migration tooling that checks model artifacts, metadata, and prediction behavior before rollout.
- Improve reliability and usage visibility for shared model access.
- Support adoption through SDKs, reference applications, documentation, and engineering reviews.

### Senior Data Scientist | Shipt

Apr 2022 - Oct 2023

- Owned predictive systems from training through production serving.
- Improved a computer vision workflow through model development, labeling, and error analysis.
- Built analytical tools and validated data changes for operational decisions.

### Research Associate I and II | Evidera

Nov 2019 - Apr 2022

- Built data pipelines and performed statistical analysis in Python and R for health economics and outcomes research.
- Worked with patient-level and claims data to support research models.

## Selected work

Feature serving. Rebuilt a shared service in Rust to reduce read latency and make integration easier.

Knowledge retrieval. Built a technical knowledge assistant with citations, evaluation, and feedback.

Model lifecycle. Developed repeatable migration tooling with explicit validation and release checks.

## Education

M.S. Operations Research | The Ohio State University | 2017 - 2019

B.E. Mechanical Engineering | Anna University | 2013 - 2017

## Skills

Rust · Python · API design · Distributed systems · Model serving · Retrieval · Evaluation · Observability · SDK design · Operations research