

Shreya Kamath

Data Scientist Intern

San Jose, CA, United States | [LinkedIn](#)

Data scientist and engineer with experience building production-grade ML pipelines and real-time data systems at Uber and Visa, combining machine learning with infrastructure to solve commercial problems.

EXPERIENCE

Data Scientist Intern

Uber

Jun 2026 — Aug 2026

San Francisco, CA

Built the Lane Health System, a production-grade pipeline monitoring lane health across Uber Freight 4PL accounts. Designed two independent scoring models using changepoint detection and SHAP for customer health and opportunity assessment, then engineered an 11-trigger playbook translating lane symptoms into plain-English seller actions. Validated outputs against an existing system to confirm analytical reliability and partnered across Product, Client Engagement, and Operations to define metrics and present findings to executives.

Data Engineer Intern

Visa

May 2025 — Aug 2025

Foster City, California, United States

Designed and implemented real-time data pipelines on AWS using Prophecy's low-code Spark platform, reducing ID Graph processing latency by 40%. Refactored complex Spark Scala logic with AI-assisted tooling to improve maintainability while preserving functionality. Applied automated data validation and governance checks that cut pipeline failures by 80% and built a code mapping script to optimize future pipeline development.

Undergraduate Data Science Researcher - Knudsen Institute

The Data Mine - Purdue University

Aug 2024 — May 2025

- Developed 10+ web scraping solutions using Selenium and BeautifulSoup
- Leveraged robots.txt for recursive hyperlink traversal and web content retrieval
- Tested and compared 12 LLMs by prompt engineering for more accurate data extraction
- Applied Agile SCRUM with weekly sprints, leading to 20% faster delivery of web scraping and LLM solutions

Development Team Lead

Innovateher

Oct 2023 — Mar 2024

West Lafayette, IN

Led product strategy and end-to-end execution for a STEM Hackathon with 250+ participants focused on technology solutions for women's issues. Built and published the primary event website using HTML, CSS, and JavaScript. Grew participation by 40% by expanding applications beyond Purdue University.

Undergraduate Data Science Researcher - Beck's Hybrids

The Data Mine - Purdue University

Aug 2023 — May 2024

- Created a solution to optimize seed germination and improve quality, strength, and growth by 15%
- Tackled scalability issues using database optimizations, with access to large amounts of data
- Excel, R, and Pandas to clean raw CSV files, improve data analysis, and increase efficiency by 75%
- Python and SQL to visualize and summarize the data to identify patterns and trends between variables
- Presented research findings to the committee at Beck's Hybrids through visualizations and reports.

Undergraduate Data Science Researcher

The Data Mine

Aug 2023 — May 2025

West Lafayette, IN

Compared 12 LLMs via prompt engineering to improve data extraction accuracy and built 10+ web scraping solutions using Selenium and BeautifulSoup. Delivered scraping and LLM solutions 20% faster through Agile SCRUM sprints. Built Python dashboards with Matplotlib and Seaborn to visualize germination patterns, improving crop yield decisions by 15%, and optimized SQL queries for large-scale agricultural datasets.

AI/ML Ambassador

Inspirit AI

Aug 2021 — Jun 2022

San Jose, CA

Built a distracted driver object detection program using Python and CNNs for image recognition. Trained the model using augmented data from the public distracted driver dataset on Kaggle with TensorFlow. Won 1st place award for best AI/ML project.

EDUCATION

Purdue University

Bachelor of Science - BS in Data Science and Applied Statistics

Aug 2022 — Dec 2026

Lynbrook High School

Aug 2018 — Jun 2022

Saint Maur International School

Aug 2014 — Jun 2018

CERTIFICATIONS

Inspirit AI Leadership Fellow , Inspirit AI	Nov 2021
Inspirit AI Scholars Course , Inspirit AI	Mar 2021
Quantum Computing Course , The Stanford Quantum Computing Association	Mar 2021

SKILLS

High Performer · Executive Management · Python (Programming Language) · Web Development · Machine Learning · C++ · R · Java · JavaScript · SQL · AWS · Git · Spark · Distributed Systems · Data Pipeline Development · TensorFlow · Keras · PyTorch · Pandas · Prompt Engineering · Data Mining · Image Recognition · A/B Testing · Scoring Models