## Mahit Mehta

mahit.py@gmail.com ♦ +1 (732)-822-0795 ♦ github.com/MahitMehta ♦ linkedin.com/in/mahitm ♦ South Brunswick, NJ

## **EDUCATION**

**Purdue University** West Lafayette, IN

Bachelors of Science, Computer Science Honors

08/2024 - 05/2027

- o 3.9/4.0 GPA
- o Project Manager at Google Developers Groups (Purdue Chapter), Purdue Hackers, VIP Data Mine

## Professional Experience

**ZTRON** Remote

Agentic + GenAI Software Engineer (part-time)

06/2025 - Current

- Parallelized workflows reducing the ingestion time by 40% and implemented a durable AI workflow orchestrator
- Context integration with Google Drive, with auto-syncing and re-ingestion of documents
- Added support for **dynamic financial React component generation** such as interactive tables and pie charts

**Bloomberg** Dayton, NJ

Software Engineer Intern

06/2024 - 08/2024

- Rearchitected Bloomberg's Quality Control (QC) library, migrating and refactoring 50+ legacy checks into a modernized Python framework
- The improved QC framework significantly enhanced maintainability, reliability, and uptime for Bloomberg's server infrastructure by providing < 1 second granularity for omissions
- The rewritten QC library verifies server conditions, including timezone accuracy and disk space availability, and confirms critical services are active, logging any discrepancies to Bloomberg's internal monitoring systems
- · Enhanced the library's robustness by implementing strict type annotations and rigorously testing across multiple platforms (RHEL, Solaris, AIX, Windows)

**Bloomberg** Dayton, NJ

Software Engineer Intern

06/2023 - 08/2023

- o Developed a Flask API paired with a React frontend to enable manual initiation and selective omission of QC checks, with states persistently stored in PostgreSQL, preemptively preventing predictable failures, particularly after OS upgrades, which could otherwise halt server deployment
- Received tremendous positive feedback from Server Operators after presenting my work at the end of my internship

# Haul by Fleetworthy

06/2021 - 09/2021

Remote

Full Stack JavaScript Developer Intern

- Led the integration of Electronic Logging Device (ELD) data into Haul's admin portal, providing real-time graphical updates of Haul's 7,000+ CDL drivers' locations and events.
- Leveraged real-time ELD events to automatically calculate precise driver working hours
- · Engineered periodic data retrieval using Redis Bull Queue in a Nest.js environment, efficiently querying live driver events from ELD providers.
- Developed and enhanced responsive Functional React Components for Haul's Admin and Fleet Portals, including the Driver License Viewer and Driver Profile Page, significantly improving usability and functionality.

#### Personal Projects

### PoliStock, Agentic AI-Powered Financial Alerts

04/2025 - Present

 Developed a platform for retail investors to subscribe to high-volatility news, processed by proprietary Agentic AI pipelines using Google ADK.

#### **Professional Headshots LoRA**

05/2025 - 06/2025

- Trained a LoRA on self-curated batch of high quality headshots on the base SDXL 1.0 model
- Deployed for low-latency inference (< 5 seconds) on Modal with PyTorch compilation optimizations</li>

## TECHNICAL SKILLS

- Proficient: Python, TypeScript, Rust, SQL, Redis, React, AWS, GCP, UNIX, Git, Java and MongoDB
- Familiar With: LLMs, LoRA, PyTorch, HuggingFace, VisionOS, and C