

Himnish Jain

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EDUCATION

University of Illinois Urbana - Champaign

GPA: 3.87

- **B.S. Computer Science** | **B.S. Statistics** | Minor: **Economics** | *James Scholar Honors* Aug 2021 – May 2025
- Coursework: Data Structures, Algorithms, AI, NLP, Systems, OS, Databases, Computer Arch. *Dean's List*

PROFESSIONAL EXPERIENCE

Harness

India

AI Software Engineer II | *Python, TypeScript, React, LLMs, Agentic AI* Sept 2025 – Present

- **Agentic AI Development:** Built AI agents and evaluation workflows, including tools and MCP servers, to automate software testing, improving test reliability and reducing manual validation effort.
- **LLM Evaluation:** Designed and implemented evaluation pipelines to benchmark agent performance, identify failure modes, and improve model quality through iterative experimentation.
- **Engineering Excellence:** Collaborated across engineering teams to deliver production features, incorporating peer feedback to increase development velocity and consistently contribute high-quality pull requests.

PayNearMe

California

Accounting & Data Analyst Intern | *Python, Excel, Looker, SQL, GoogleScript, AppleScript* Dec 2024 - May 2025

- **Disbursement Reconciliation Automation:** Streamlined cash reconciliation workflows by building automated Excel scripts and Looker dashboards, reducing manual processing time by 40%.
- **Revenue Insights:** Analyzed revenue data and forecasted trends across business units using SQL and Excel.
- **Reporting Infrastructure:** Developed dynamic reports and alerting systems to monitor transaction discrepancies, improving data visibility and accuracy for finance teams.

AiDash

California

Machine Learning Engineer | *Kubernetes, Tensorflow, Pytorch, Python* May 2024 - August 2024

- **Data Monitoring:** Deployed ML pipelines to detect drift in satellite imagery data, achieving accuracy of 94%.
- **Human-in-the-Loop:** Set up methodologies for ground truth accumulation and automated grading, implementing active learning techniques.
- **Grading System:** Automated data validation and monitored clusters using Grafana and Groundcover.

Protiviti

India

Data Science Intern | *Python, Tensorflow, Keras, flairNLP* May 2023 - Aug 2023

- **Reinforcement Learning:** Developed a Next Best Action predictor for individualized client preferences using a Deep Q-Network that predicted the next two actions to take with a 93% precision.
- **Natural Language Processing:** Converted a codebase from SpaCyNLP to FlairNLP for an internal tool for more optimized Named Entity Recognition.
- **Image Processing:** Devised an algorithm to capture images from PDFs, and detect their usability for efficient billing and HR purposes.

RESEARCH & LEADERSHIP EXPERIENCE

Research Assistant at ScribeAR (Professor Lawrence Angrave)

Illinois

ScribeAR: Real-time transcription for audibly impaired | *Whisper, GPT-4, NLP, Comp. Vision* Jan 2023 - July 2025

- **Whisper CPP:** Implemented an alternate speech to text backend to ScribeAR using OpenAI's Whisper, reducing transcription times to around 2 seconds per sentence.
- **React:** Developed a React hook for Whisper API calls, with options for softness levels, transcription speeds and history management.
- **AI and Machine Learning:** Conducted research on speaker identification, diarization, and audio classification, contributing to AI and machine learning developments.

Lead Teaching Assistant (CS, Engineering) at UIUC

Illinois

Lead ELA for CS in Engineering 100 | *Leadership, Mentoring, Cultural Intelligence* Aug 2023 - June 2025

- **Teaching and Mentoring:** Led a technical engineering orientation class with 500+ first-year computer science students, offering crucial support during their initial semester in the engineering program at UIUC.
- **Teamwork:** Cultivated a collaborative learning environment that encouraged active participation and teamwork.
- **Assignments:** Created lesson guides & assignments & graded them with personalized feedback for students.

PROGRAMMING SKILLS

Languages: C, C++, Python, Java, OCaml, C#, SQL, Rust, Go, JavaScript, HTML, CSS, Solidity

Frameworks and Technologies: Excel, AWS, React, Unity, Kubernetes, Flutter, Node.js, Flask, QlikSense, FlairNLP, Matplotlib, PySpark, Numpy, Pytorch, Pandas, Git, Docker, OpenCV, Whisper