

# Ojaswee Chaudhary

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## EDUCATION

### UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

August 2021 – May 2025

**B.S. in Computer Science** (Concentration in Intelligence and Big Data) | **Minor in Sociology**

**Relevant Coursework:** Applied Machine Learning, Natural Language Processing, Text Information Systems, Data Structures, Algorithms and Models of Computation, Systems Programming, Databases, Computer Architecture, Computation Social Science

## EXPERIENCE

### CANVAS INSTRUCTURE (React.js | Ruby | GraphQL)

May 2024 – August 2024

#### Software Engineering Intern

- Led end-to-end development of a core feature enhancement for the interactive rubrics tool, driving a **20% increase in educator adoption**, supporting **1,000+ new user activations**, and achieving **90% user satisfaction** during beta testing.
- Diagnosed and resolved 10+ critical bugs related to accessibility, localization, and UI logic, triaging issues in **Jira** and streamlining code reviews via **Gerrit**, contributing to a **15% reduction in team-wide tech depth**.
- Translated product specs into clear dev tasks during **Agile sprints**, enabling efficient delivery for a platform used by **1M+ users**.

### CONDUENT (Python | React.js | CSS)

June 2023 – July 2023

#### Data Science Intern

- Built a Q&A system using **retrieval-augmented generation (RAG)**, integrating **LangChain** and **Hugging Face** to automate knowledge retrieval across **500+ documents** and **reduce manual search time by 60%**.
- Designed and deployed a proof-of-concept web interface using **React.js**, **CSS**, and a **Flask API in Python**; Presented it to company executives to support **early-stage adoption of AI-driven services** for enterprise clients and investors.

### GLIFIC (Java)

June 2022 – August 2022

#### Engineering Intern

- Developed a **lexical analyzer for AWK commands** using a **state-based system**, processing **100+ test cases**.
- Gained hands-on experience in system design and QA, deepening understanding of software engineering fundamentals.

## SKILLS

**Languages:** Java, JavaScript, Python, Ruby, C++, C, R, SQL

**Web & Frameworks:** React.js, React Native, GraphQL, Flask, CSS

**Tools & Libraries:** LangChain, LangGraph, Hugging Face, PyTorch, TensorFlow, Docker, GitHub, Jira, Gerrit, Postman, VS Code

**IN PROGRESS:** [Certification for LangChain and LLM's](#), [Course in AI Agent Technology](#)

## PROJECTS

### SHIFTING SENSATIONALISM (Python)

Most Recent Update: April 2025

#### NLP research study on hyper-sensationalism in media

- Merged and preprocessed two large-scale Kaggle datasets (~1.2M U.S. news articles), using **Pandas** for data normalization.
- Developed a **multi-label classification pipeline** using **Hugging Face SetFit** to categorize sentiment, exaggeration, and emotional intensity; incorporated **few-shot examples**, achieving **90% classification accuracy** on evaluation data.
- Used **Seaborn** and **Matplotlib** to visualize linguistic trends, revealing a **1.5x spike** in sensationalism post-crisis.

### VANITY (React.js | CSS | SQL)

Most Recent Update: May 2023

#### “digital makeup bag” and beauty/skincare social media service

- Created wireframes on **Canva** and implemented a clean, responsive, and intuitive UI using **React.js** and **CSS**.
- Implemented a scalable schema on **Google Cloud Platform** for **8,000+ data entries** including products, brands, and reviews; **reduced query latency for CRUD by 6% - 20%** by engineering complex SQL queries using targeted indexing and optimizations.

## LEADERSHIP

### REFLECTIONS | PROJECTIONS

#### Director

October 2023 – October 2024

- Hosted the 30th Anniversary of the largest student-run technology conference in the Midwest with **2000+ registered attendees** and **25+ professional guests**. Interviewed tech pioneers, including **Tom Siebel**, and hosted a multitude of events.
- Led an organization of **50+ staff members** and **6 sub-committees**, coordinating **1+ year** of conference planning and execution.

### ILLINI RAAS

#### President | Captain | Dancer

August 2021 – May 2025

- Transformed a last-place team into a nationally ranked program with **2 championship appearances** and a **3rd-place finish**.
- Directed choreography, finances, and travel while leading **10+ weekly hours** of practice to sustain peak performance.