

# SHREE MEHER

Chicago, IL • 312-532-3497 • shreemeher05@gmail.com  
LinkedIn: linkedin.com/in/shree-meher • GitHub: github.com/s-meher • Portfolio: shree-portfolio-irid.vercel.app

## EDUCATION

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### Illinois Institute of Technology

*B.S. in Computer Science, Business Minor*

Chicago, IL  
*Expected May 2027*

- Relevant Coursework: Data Structures & Algorithms, Computer Organization & Assembly Language Programming, Systems Programming, Databases

## EXPERIENCE

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### Mindgate Solutions Pvt. Ltd.

*Software Development Intern*

Mumbai, India  
*May 2025 – Jul 2025*

- Developed REST APIs and backend components in Java, Spring Boot, and Oracle SQL for UPI-related financial workflows.
- Collaborated with QA and data teams to automate validation of transaction and log data, improving testing accuracy and reporting speed.
- Built internal automation for retrieving and processing training data, reducing manual effort by 85%.

### Illinois Institute of Technology

*Teaching Assistant, CS 331: Data Structures and Algorithms; CS 350: Computer Organization and Assembly Language Programming*

Chicago, IL  
*Jan 2025 – Present*

- Led review sessions, lab support, and office hours for 60+ students, helping debug Java, Python, and RISC-V assembly assignments.
- Supported grading and instructional material development across data structures, algorithms, computer organization, and low-level programming topics.
- Reinforced concepts around complexity, memory layout, assembly-level reasoning, and implementation through hands-on student support.

### Alpharithmetic Technologies Pvt. Ltd.

*Data Engineer Intern*

Remote  
*May 2024 – Jul 2024*

- Built and optimized ETL workflows using PostgreSQL, Linux, and IBM DataStage.
- Improved ingestion and validation pipelines for business analytics use cases.
- Collaborated with cross-functional teams to deliver reliable data integration solutions.

## PROJECTS

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### RiskFlow

*Java, Spring Boot, PostgreSQL, React*

*2026*

- Built a backend system for ingesting payment events, applying rule-based risk checks, storing transaction state, and exposing operational APIs.
- Designed domain models for transactions, payment events, and risk decisions to reflect production-style backend architecture.
- Added a lightweight dashboard for metrics, recent events, and flagged transactions to support demos and project walkthroughs.

### Shell Lab

*C, Unix/Linux*

*2026*

- Implemented a shell in C with foreground/background execution, built-in commands, signal handling, and process management.
- Strengthened systems programming skills through debugging concurrent process behavior and managing job states.

### Cloud Automation App

*Python, PostgreSQL, Azure*

*2025*

- Built a lightweight dashboard to automate HR and finance workflows with validation, monitoring, and report generation.

## TECHNICAL SKILLS

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**Languages:** Python, Java, C, SQL, JavaScript, RISC-V Assembly

**Backend & Data:** Spring Boot, Flask, REST APIs, PostgreSQL, Oracle SQL, ETL

**Systems & Tools:** Linux, Git, debugging, automation

**Cloud:** Azure Web Apps, Azure Monitor, Power Automate

## LEADERSHIP

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### IBM Z Student Ambassador

*May 2025 – Present*

- Promote IBM Z technologies through campus events, workshops, and peer engagement.