

# HUMA HUSSAIN

1-224-499-5274 | Chicago, IL | [hhussain0901@gmail.com](mailto:hhussain0901@gmail.com) | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

## TECHNICAL SKILLS

**Programming Languages** - Java, C, C++, Python, JavaScript, PHP, C#

**Web Technologies** - HTML5, CSS3, React, TypeScript, NextJS, NodeJS, Bootstrap, Responsive Web Design, API, Astro

**Database & Cloud** - MySQL, JSON, BigQuery, AWS, DB2, Sybase, Azure, PostgreSQL, DynamoDB, SQL

**Tools & Frameworks** - GitHub, Figma, Postman, Pandas, Numpy, Matplotlib, Scikit, Twinkter, Seaborn, TensorFlow, Keras, Django, FastAPI

**Coursework & Certifications** - Web Application Development, Big Data Mining, Artificial Intelligence, Machine Learning

## PROFESSIONAL EXPERIENCE

**Goldman Sachs Services & Co.**

**Jul 2023 - Jul 2024 | Bengaluru, India**

**Software Analyst**

- Established 2 internal tracking tools that enhanced governance processes, ensuring 100% validation of controls while uncovering multiple key findings critical to resolving the top 9 risks impacting asset class management within electronic trading environments.
- Collaborated with 10+ business owners to identify and resolve over 30 system risk gaps, safeguarding the firm's integrity and stability.
- Led and mentored 1 intern to automate a task that would have taken 3+ weeks, reducing processing time by 90% and improving overall efficiency.
- Conducted in-depth analysis of trading data, identifying key risk indicators and recommending process enhancements that resulted in a 15% reduction in trading-related incidents.

**Goldman Sachs Services & Co.**

**Jul 2022 - Aug 2022 | Bengaluru, India**

**Summer Analyst - Intern**

- Developed a robust observation tool that identified and addressed 9 distinct trading risks, which led to enhanced system security; findings directly tackled the top most critical vulnerabilities in electronic trading operations.
- Delivered clear and impactful presentations to senior leadership and cross-functional teams, translating complex technical findings into actionable insights, leading to informed decision-making and timely risk mitigation.

**Neumeric Technological Corps.**

**Jun 2021 - Sep 2021 | Hyderabad, India**

**Software Development - Intern**

- Designed and implemented web solutions for a pension system application, enhancing user experience and functionality for 1000+ US seniors, leveraging HTML, CSS, PHP, WordPress, and JavaScript.

## PROJECTS

**Receiptaurant**

**React, Typescript, Node.js, LLM**

- Engineered a receipt management platform comparing pricing structures across more than 100 food establishments, incorporating Google Maps API for optimized navigation; elevated customer engagement levels by implementing innovative generative AI solutions.

**Animal Encroachment Detection**

**Python, ML, OpenCV, CNN**

- Introduced a state-of-the-art surveillance-based intrusion detection system spanning 50+ acres, reducing security breaches by 30% while maintaining a classification accuracy of 97%.

**Android Malware Detection**

**Python, ML, Genetic Algorithms**

- Formulated a malware detection model utilizing Genetic Algorithms, achieving 98% detection accuracy and decreasing false positives by 15%, thereby reinforcing system security with optimized detection and thorough threat analysis.

## EDUCATION

**Master of Science in Computer Science**

**University Of Illinois at Chicago, Chicago, IL**

Aggregate - 4.0/4.0

Aug 2024 - Present

**Bachelor of Engineering in Information Technology**

**Osmania University, Hyderabad, IN**

Aggregate - 3.9/4.0

Aug 2019 - Jun 2023

## EXTRACURRICULAR ACTIVITIES

- Led a team of 40+ as Editor-in-Chief of the college newsletter, overseeing bi-annual editions while streamlining content curation and social media marketing for The Samariteens of Hyderabad and Girl-Up She United, boosting engagement and visibility across platforms.

## PAPERS PUBLISHED

- Euphonia: Music Recommendation System Based on Facial Recognition and Emotion Detection
- Animal Encroachment Detection in Farms: A Survey