Shreya Chaudhary

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Available: From May 2025 for Co-op or Internship

EDUCATION

Northeastern University, Boston, MA — Sept. 2024 – Present
Khoury College of Computer Sciences — Expected graduation: May 2026
Candidate for a Master of Science in Computer Science — GPA: 3.6/4.0
Related courses: Programming Design Paradigm, Algorithms, Artificial Intelligence, Human-Computer Interaction

Vellore Institute of Technology, Vellore, Tamil Nadu, India — June 2022
Bachelors of Technology in Computer Science — GPA: 8.44/10.0
Related courses: Discrete Math and Graph Theory, Database Management System, Data Structures and Algorithms, Artificial Intelligence, Python , C++, Java Programming, IoT, Cyber Security, Operating Systems, Human-Computer Interaction

TECHNICAL KNOWLEDGE

Languages:	Java, Python, JavaScript, TypeScript
Databases:	MySQL, RDBMS
Web technologies:	HTML, CSS, PHP, ReactJS
Tools and Methodologies:	Kubernetes, Agile framework, Github, Jenkins, Google Cloud, Pub/Sub, Grafana, Micro frontends, IntelliJ, VSCode, Eclipse
Certifications:	'Security Analyst' certification from SSC NASSCOM
Publications:	Prevention of Attacks Using One Class Classification and Auto Encoder, *Journal of Xian University of Architecture & Technology, VOLUME XIII, ISSUE XII, 2021*. DOI: 20.19001/JXAT, Authors: Shreya Chaudhary, Dr Manikandan K* , Jenise James

WORK EXPERIENCE

Fiserv India Private Ltd, Noida, India — Sept.2022–Aug.2024
Technology Analyst, Software Development Engineering
- Developed and integrated audit events across microservices using Pub/Sub and Kubernetes, enhancing log management and debugging efficiency.
- Designed and created a robust stand-alone application for bulk installation of apps for more than 800K merchants using spring batch for asynchronous processing, effectively eliminating application timeouts and automating the previously manual processes of updating app installations.
- Worked in a team of 5 engineers to develop a new microservice that automated device shipping-related details using spring boot while hosted on Google Kubernetes Engine and Spring Quartz for scheduler.
- Led the effort to eliminate dependencies from the monolithic architecture and updated libraries to facilitate the migration of VM-based microservices to Kubernetes on Google Cloud for the Clover, resulting in a significant reduction of infrastructure costs by 60%.
- Effectively executed the migration of the Billing Module within the Clover Admin Dashboard, transitioning from Ember to ReactJS. This initiative enhanced the user interface, rendering it more interactive and responsive, thereby contributing to an improved user experience.

ACADEMIC PROJECTS

Guardians Gambit, An Reinforcement Learning based multi-agent game — Aug. 2024 - Dec 2024
- Implemented a reinforcement learning-based multi-agent game in a team of 4 students that represents a heist scene.
- Using reinforcement learning in this project allows the agents to improve their strategies through continuous iterations based on the trial-and-error technique. With enough iterations, the agents equip certain tactics that allow them to maximize their reward function throughout the game.

Advanced Toxic Content Detection on Social Networks — Jan 2022 – May 2022
- Implemented a machine learning algorithm designed for detecting cyberbullying content on social networks.
- Employed machine learning algorithms to train a dataset, enabling a comprehensive understanding of the contextual nuances within statements on social media. This approach goes beyond mere word detection, allowing for the effective segregation of data into Safe for Work (SFW) and Not Safe for Work (NSFW) content categories.

INTERESTS/ACTIVITIES

- Received the prestigious 'Team of the Year' award in Fiserv's Annual Awards for 2022, acknowledging our outstanding achievement in delivering the highest number of features throughout the year.
- Engage actively in CSR activities at Fiserv, particularly in teaching underprivileged students with disabilities.
- Emceed for a hackathon and featured as a speaker in multiple Toastmasters events hosted at Clover.
- Actively contributed as a member of the Women in Tech (WiT) committee at Clover, hosting events to promote women in technology.
- As a dedicated member of the Dance Club at VIT, Vellore, achieved notable successes including securing first place at CMC Vellore (2019), first place at JIPMER Puducherry (2019), runners-up at IIT Bombay (2020), and third place at IIT-H (2021).