Mridini Thippisetty

Aurora, IL, 60504 | P: +1 6308352622 | mridinithippisetty@gmail.com | [LinkedIn](#) | [Github](#) | [Portfolio](#)

EDUCATION

UNIVERSITY OF WISCONSIN-MADISON — Madison, WI
Bachelor of Science — Expected May 2025
Major in Computer Science and Data Science; Certificate in Mathematics
Relevant Coursework: Algorithms, Operating Systems, Big Data Systems, Artificial Intelligence, Machine Learning, Computer Architecture, UI/UX Development, Software Engineering, Cryptography, Networks, Databases

TECHNICAL SKILLS

Languages: Java, Python, C/C++, HTML, CSS, SQL, R, MATLAB, .NET, Bash, x86 Assembly

Databases/Frameworks/Libraries: SQL, PyTorch, scikit-learn, Flask, Spark, Node, React, MongoDB, SpecFlow, Selenium, TestNG

Tools: Git, Kafka, Docker, Hadoop, Jenkins, Kubernetes, Elastic, Palo Alto, Jira, Confluence, GCP, AWS

WORK EXPERIENCE

UNIVERSITY OF WISCONSIN-MADISON OFFICE OF CYBERSECURITY — Madison, WI
CSOC Student Intern Analyst — Sep 2022 – Present
• Detect and analyze critical security threats daily using Palo Alto and Cisco Secure Endpoint alerts across campus networks
• Identified and recovered compromised 1,000s of devices through fraud detection and threat hunting via Elastic
• Conduct threat assessments on AWS and GCP accounts, and applied analytical problem-solving skills to safeguard sensitive internal University data and mitigate potential billing risks valued at $500,000+
• Manage and approve roles for students and faculty, ensuring proper security authorization for over 50,000 users by utilizing tools such as Jira, Perceptive Content, and Oracle

WELLS FARGO — Charlotte, NC
CCIBT Technology Intern — Jun 2024 – Aug 2024
• Improved performance monitoring solutions for the Vasara risk engine using Java, boosting system efficiency and accuracy
• Automated the generation of portfolios for 50,000+ distinct interest rate swaps, implemented unit testing with TestNG, and streamlined report creation for faster risk analysis and data insights
• Collaborated with cross-functional team to develop technical solutions with financial expertise in capital markets/corporate banking

MADISON EXPERIMENTAL MATHEMATICS LAB — Madison, WI
Undergraduate Researcher — Sep 2023 – May 2024
• Integrated machine learning algorithms with numerical method to simulate solutions of the continuum Calogero–Moser PDE, improving accuracy in modeling turbulence and predictive capabilities

WELLS FARGO — Charlotte, NC
CT Technology Intern — Jun 2023 – Aug 2023
• Automated 250+ validation tests on internal OPQ loan application using Java and Python, boosting verification efficiency 10x
• Deployed HLMS delivery pipeline for Java and .NET upgrades and delivered key projections to senior leadership
• Collaborated daily with technical team and built a strong network of mentors in professional and software development

TRANSUNION — Chicago, IL
Application Development Intern — May 2022 – Aug 2022
• Automated maintenance for 50+ QECOP testing servers using Java, JavaScript, C, and Bash
• Utilized Agile workflow process for application development and gained mentorship from senior engineers
• Gained experience in DevOps and fin-tech applications including Jenkins and ReportPortal.io

RESEARCH

Killip, Rowan & Laurens, Thierry & Vişan, Monica. (2024). Sharp well-posedness for the Benjamin–Ono equation. Inventiones mathematicae. 236. 1-56. 10.1007/s00222-024-01250-8
Gao, Zihan & Jiang, Jiepu. (2021). Evaluating Human-AI Hybrid Conversational Systems with Chatbot Message Suggestions. 534-544. 10.1145/3459637.3482340

PERSONAL PROJECTS

COOK SMART (Mad Data Hackathon) — February 2023
• Collaborated with a team to build a meal-planning web app for busy college students, utilizing MongoDB, PyMongo, and Flask to parse ingredient data and generate food options based on diet preferences.
• Designed an interactive UI with HTML, JS, and Bootstrap, and applied Python NLP techniques to generate word clouds from student survey data on current vs. ideal diets. Presented the project to peers and judges.