Arya Joshi

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EDUCATION

Carnegie Mellon University   Pittsburgh, PA
Bachelor of Science in Information Systems, Minor in Computer Science   *August 2024 – May 2028*

EXPERIENCE

Data Science Intern   July 2023 – August 2023
Matrix Analytics   *New York City, NY*
- Collaborated with senior data scientists in the development and implementation of machine learning models for predictive analytics
- Wrote beginner abstract surrounding data driven decision making in sales

Web Team Intern   December 2023 – May 2023
SparkPrintz   *Robbinsville, NJ*
- Developed UI enhancements to improve user experience
- Identified key areas for improvement, and implemented targeted strategies to enhance website visibility
- Introduced a user feedback system, actively collecting and analyzing user suggestions
- Contacted numerous clubs/organizations across different school districts for partnerships

Student Researcher   June 2023 – August 2023
BlastAI, International Conference of Informatics 2023
- Published paper surrounding repairing smart contracts through machine learning
- Combined Slither API to classify and models to repair vulnerabilities in said contracts
- Fine-tuned Llama-2-7B models, reduced the overall vulnerability count by 97.5 and 96.7 percent respectively
- Published in Arxiv, accepted at IEEE ICI-2023 presented at Blast AI Symposium
- Presented virtually to the International Conference of Informatics

LEADERSHIP

Senior Strategist | *Nemesis FRC 2590*   September 2020 – June 2024
- Helped team to make autonomous routines, target detection
- Led match scouting efforts for FIRST team and analyzed data for winning competition strategy
- Aided in scouting app development with HTML,taught underclassmen how to analyze trends in robot data

Head Sensei | *Code Ninjas LLC*   August 2022 – Nov 2023
- Instructed kids aged 5-13 in game development in JavaScript/Unity
- Helped found and coach an FLL Team - Brought in traffic for business while spreading stem
- Taught new sensei's how to effectively teach and communicate and with parents
- Maintain upkeep of computers, classroom equipment, and printers in the facility

FLL Mentor | *FIRST Lego League*   August 2022 - November 2023
- Guided team ages 9-14 , incorporating teamwork to create robots,
- Presented project to town councilman, led team to 1st place at regional event and auto-qualify to state event,
- Reached out to guest speakers and organized practices to spread STEM within the community

TECHNICAL SKILLS

Languages: Java, Python, C, SQL, JavaScript, HTML, CSS
Frameworks: React, Node.js, Flask, JUnit, WordPress, Material-UI, FastAPI
Developer Tools: Git, Docker, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse
Libraries: pandas, NumPy, Matplotlib