

Naziia Raitova

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Objective

Seeking an internship in the field of Computer Science and Software Engineering.

Education

Bachelor of Science, Computer Science

May 2026

Rose-Hulman Institute of Technology, Terre Haute, IN

GPA: 3.4

Related Courses: Machine Learning, Software Design, Programming Language Concepts, Data Structures & Algorithms, Software Requirements Engineering, Computer Architecture I & II, Web Development, Digital Systems, Systems Programming, Practical Security, Database Systems, Object-Oriented Programming, Software Program Understanding

Skills

Programming Languages: Java, Python, HTML, CSS, JavaScript/TypeScript, C, C#, C++, SQL, React, R, Verilog, ASM

Software and Systems: Linux, CUDA, Windows, MacOS, Eclipse, Visual Studio, Git, Excel, Microsoft Office

Internships

Rose-Hulman Ventures — Software Engineering Intern

May - August 2024

- Developed a Machine Learning model for 3D spine reconstruction from CT scans in Python, creating a detailed representation of the spine for surgical use.
- Designed and implemented the model architecture to accurately track real-world coordinates, enabling real-time monitoring of patients and surgical tools during operations.

USAID — Intern

May - August 2022

- Created and maintained a comprehensive database of project participants, facilitating efficient tracking and reporting of participant information, using SQL and Excel.
- Collaborated with team members to achieve objectives and contributed to the overall success of the project.

Projects

Node Dependency Health Visualizer

September - November 2024

- Developed a Node.js dependency health visualizer using R and TypeScript, offering color-coded, interactive trees to highlight potential vulnerabilities and assist with dependency management.
- Implemented a regression model and web scraper to generate and display health scores for npm dependencies, enabling proactive issue identification and support for large project maintenance.

MusicTixDB — Database Project

December - February 2024

- Developed an event ticketing platform using Java and Microsoft SQL Server, providing fans with fair ticket prices and artists with event management tools.
- Implemented backend security measures using stored procedures and user permissions in Java.

Maintenance Tracker — Website

September - November 2023

- Created a web-based application using HTML, CSS, and JavaScript to allow users to track different types of maintenance needed for their vehicles.
- Worked on both front-end and back-end development.

Leadership

Computer Science OOP Teaching Assistant

Sep 2023 – Present

- Guided students in understanding core Object-Oriented Programming concepts (Java), teaching them to write clean and efficient code.

WOLFPAC (Women in Computing) President

Aug 2023 – Present

- Lead events to support and empower women in computing, organizing events, workshops, and networking opportunities.

Learning Center Tutor

Sep 2023 – Present

- Improved student performance in Calculus, Physics, and Computer Science through tutoring