Naeem Bahemia

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Education

Purdue University — West Lafayette, IN   *Aug 2024 - May 2028*
BS in Computer Science

- GPA: 3.77/4.0
- **Achievements:** Dean's List (Fall 2024)
- **Societies:** Data Mine Learning Community, John Martinson Honors College

Experience

Cloud Native Association at Purdue   *West Lafayette, IN*
Organizer   *Aug 2024 - Present*

- Organizing AWS workshops to enhance student understanding of cloud-native infrastructure and services.
- Exploring applications of cloud computing through orgranized events and presentations.

Purdue Medical Innovation, Networking, and Design   *West Lafayette, IN*
Organizer   *Aug 2024 - Present*

- Analyzing the probability of head trauma through the analysis of fNIR data.
- Modeling a machine learning model to operate with a skull cap to detect mild traumatic brain injuries.

Honors College Residential Society   *West Lafayette, IN*
Resident Liaison   *Aug 2024 - Present*

- Collaborating with a board of student executives to plan, develop, and execute engaging events designed to foster a vibrant and inclusive community for the Honors College.
- Form positive relationships with residents through active listening and gathering constructive feedback to improve community experiences.

Homestead Highschool Coding Club   *Fort Wayne, IN*
President   *Aug 2023 – May 2024*

- Coordinated Capture the Flag (CTF) competitions, raising cybersecurity awareness while achieving 120th place out of 1300+ middle-school/high-school teams participating in 2024, as well as 184th in 2023.
- Taught coding fundamentals to students through club-made coding challenges and presentations.

Projects / Research

Project oCEANIC: *West Lafayette, IN*
Undergraduate Research Assistant   *Jan 2025 - Present*

- Developing computational models to support traditional maritime practices for sustainable travel.
- Contributing to research and simulation development efforts to improve navigation and rebuild community networks between island communities.

Bechtel IoT   *West Lafayette, IN*
Programming Team Member   *Jan 2025 - Present*

- Vertically Integrated Project aimed to protect students in the Bechtel Innovation and Design Center.
- Developing a network of smart sensors to predict and alert for safety concerns before they occur.

Technologies

Languages:

- Proficient: Java, Python ● Familiar: C, HTML/CSS, Javascript, R

Technologies: AWS, Git/Github, LaTeX, Linux UNIX