

HASAN ZAIGAM

hasan.13519011722@ipu.ac.in | +91-9616725062 | <https://github.com/HasanZaigam>

Summary

Highly motivated and results-oriented student with a strong foundation in Industrial Internet of Things (IIoT) and a keen interest in applied mathematics and computational research. Eager to leverage programming skills in Python and a willingness to learn other languages (like MATLAB) to contribute to research in differential geometry and membrane theory.

Education

Guru Gobind Singh Indraprastha University, Delhi, India. <ul style="list-style-type: none">Branch Industrial Internet of Things(IIOT) CGPA: 8.454	2022 - 2026 (expected)
St.Anjani's Public School, Lucknow UP, India. <ul style="list-style-type: none">CBSE (Class XII), Aggregate:95.4%	2020 - 2021
St.Anjani's Public School, Lucknow UP, India. <ul style="list-style-type: none">CBSE (Class X), Aggregate:92.4%	2018 - 2019

Skills

- Programming Languages:** Python (proficient), Java (familiar)
- Scientific Computing:** Eager to learn MATLAB or similar languages
- Web Development:** HTML, CSS, TailwindCSS, JavaScript, NodeJS, React (demonstrates broader programming ability)
- Databases:** MongoDB, MySQL
- Version Control:** Git, GitHub
- Mathematics:** Strong foundation in calculus, linear algebra (relevant to differential geometry)

Work Experience

Perception Club USAR Frontend Lead <ul style="list-style-type: none">Worked on College WebsiteAlso worked on the Club Website.	May'2023-Present
IEEE Club USAR PR Coordinator <ul style="list-style-type: none">I worked to secure sponsors for the club events.	Sept'2023-Present

Projects

Geometric Modeling of Paper Folds (Proposed Research Internship)	
<ul style="list-style-type: none">Aim to develop a mathematical framework for simulating the behavior of thin sheets under complex loading using Python or MATLAB (tailored to the project).Leverage skills in scientific computing to analyze the structure of crumpled paper and study elementary shapes.	
Malicious URL Links Detecting Website	Feb 2024
<ul style="list-style-type: none">Developed a website to detect malicious URLs and aid in cybersecurity efforts during a hackathon organized by the Delhi Police.The website can identify and disable malicious links.	
Finance Buddy Website	Sept 2023
<ul style="list-style-type: none">Created a website to assist beginner-level traders in navigating the stock and cryptocurrency markets.The website offers educational resources and insights from experienced traders.	

Academic and Extracurricular Achievements

- Winner of ROC'2023 organized by IIT Delhi .**
- Contributing to a Review Paper.**
- Active Member of the RHA Army.**