

# Varun S. Jain

Citizenship: USA • Classification: Junior • [LinkedIn](#) • Website: <https://vsjain2004.github.io/>

## PURPOSE

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Application for Summer Internship in the field of Computer Engineering.

## ACADEMICS

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**Degree:** Pursuing B.Sc. in Computer Engineering with Honors at Iowa State University

**Expected Graduation Date:** May 2025

**Current GPA:** 4.00

**Special Interests:** Robotics, AI, HCI

## TECHNICAL SKILLS

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### Programming Languages

- Verilog, VHDL, MATLAB, Java
- Certification in CS50X and CS50W on EdX by HarvardX
  - Python (Generic/Flask/Django)
  - C, SQL, HTML, JavaScript, and CSS

## EXPERIENCE

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### Teaching Assistant (Aug 2023 – Dec 2023)

Teaching assistant for CprE 281: "Digital Logic".

### InGen Dynamics (Jun 2023 – Aug 2023)

Interning 'Junior Software Engineer' at inGen Dynamics Inc.

### Research Assistant (Aug 2022 - Current)

Researching on the use of Artificial Intelligence in Animal Husbandry and Microfluidics.

### Tej Control Systems (March 2021)

2-week shadow program on Robotics at Tej Control Systems Pvt. Ltd, Mumbai, India

## ACADEMIC PROJECTS/LEADERSHIP ACTIVITIES

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### CPU Design (Fall 2022 - Current)

Designed a simple one-cycle Central Processing Unit in Verilog. 5<sup>th</sup> to design a CPU and 2<sup>nd</sup> to use the LCD of the Altera DE2 board in the history of my class. Further developments are ongoing.

### Treasurer (Aug 2023 – Current)

Treasurer for Student Organization 'Hindu Yuva' at the University.

### F1 in Schools (2021-22)

Marketing and Sponsorship Manager, and Graphic Designer of my team to design F1 model cars. We won the **Resilience Award** in the **Nationals** in India.

### City as a Lab (2021)

Involved in the 'City as a Lab' research project regarding the Indian National Air Quality Index

### Community Level Project (2020)

Created an online search Directory for the Bisa Humad Jain Community in Mumbai, India

## OTHER RELATED EXPERIENCES

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Completed MITx LaunchX's 'Becoming an Entrepreneur' online course on EdX - **2022**

Taught Math to 5<sup>th</sup> graders at my school - **2021**

Helped my counselor convert significant web-based financial data to Google Sheets. - **2021**

## AWARDS / SCHOLARSHIPS

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Recipient of the 'Early Achievement in International Studies' Award. - **2023**

Recipient of the 'Cima Scholarship in Electrical and Computer Engineering'. - **2023**

## EXTRA-CURRICULAR INTERESTS

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Story Writing, Table Tennis, and Volunteering