Varun S. Jain

Citizenship: USA • Classification: Senior • LinkedIn • Website: https://vsjain2004.github.io/

PURPOSE

Application for Summer Internship in the field of Computer Architecture or Related Fields.

ACADEMICS

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

Expected Graduation Date: May 2025

Current GPA: 4.00

Special Interests: Computer Architecture, Robotics, AI, HCI

TECHNICAL SKILLS

Programming Languages
- **Verilog, VHDL, MATLAB, Java, C++, TypeScript**
- **HarvardX CS50 Certifications: CS50X and CS50W**
  - Python
  - C, SQL, HTML, JavaScript, and CSS

EXPERIENCE

Teaching Assistant (Aug 2024 – Current)
Teaching assistant for CprE 281: "Digital Logic".

UHPC India Pvt. Ltd. (Summer 2024)
Interning 'Software Developer' at UHPC India Pvt. Ltd.

InGen Dynamics (Summer 2023)
Interning 'Junior Software Engineer' at inGen Dynamics Inc.

Research Assistant (Aug 2022 – Dec 2023)
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

CPU Design (Fall 2023)
Designed three Reduced-Instruction MIPS processors in VHDL. The first one was a Single Cycle Processor, while the others were Pipelined. Added Hazard Detection and Forwarding. Performed Timing Analysis using Intel Quartus Prime. Final Processor has a 95.7% increase in Clock Frequency from the First Processor.

Treasurer (Aug 2023 – Current)
Treasurer for Student Organization 'Hindu Yuva' at the University.

F1 in Schools (2021-2022)
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

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

Taught Math to 5th graders at my school - **2021**

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

AWARDS / SCHOLARSHIPS

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

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

EXTRA-CURRICULAR INTERESTS

Story Writing, Table Tennis, and Volunteering

ACADEMIC PROJECTS/LEADERSHIP ACTIVITIES