

Chirag Maheshwari

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EDUCATION

University of Illinois, Urbana Champaign

BSc. in Computer Engineering

Courses: Numerical Analysis, Digital Systems, Artificial Intelligence

Champaign, IL

Aug 2022 - March 2026

Inventure Academy

CAIE AS A Levels

Subjects: Mathematics(A), Physics(A), Computer Science(A), Economics(A), English Language(A)

Bengaluru, KA

May 2020 - March 2022

EXPERIENCE

National Center for Supercomputing Applications

SPIN Intern, Gravity Group

Developing an interactive tool for black hole simulations created using the Einstein Toolkit

Champaign, IL

August 2023 -

TechServices Illinois

OnSite Student Consultant, Privacy and Information Security

Resolved IT tickets for different departments across campus

Gained a broad understanding of university IT systems

Champaign, IL

April 2023 - July 2023

InCore Semiconductors

Student Intern

Worked on prototyping a web interface for the RISC-V Core Generator.

Worked on improvements to Chromite core generator, and learned how to use BlueSpec Verilog and Tcl

Bengaluru, KA

Nov 2021 - Jan 2022

ACADEMIC PROJECTS

MiSTer SNES FPGA Port

Digital Systems Final Project

Ported the MiSTer SNES core onto the RealDigital Urbana Board

November 2023 - Present

Illini Formula Electric

Circuit Design

Developing an custom STM ST-Link PCB to flash firmware on the Safety Board

Worked on improvements to the Safety Board

September 2023 - Present

Open Source @ Illinois

ECE OpenDev Project Lead

Lead project to develop RV32IM pipelined core

Held workshops on icarus-verilog, Verilator, LiteX HDL framework

November 2023 - Present

HONORS

Finalist in the advanced track at HackIllinois 2024

Participated in MITRE eCTF 2023 with sigpwny. Won third place overall

1st Place in the Beginner-track Software Competition at Pulse ECE Conference 2023

Qualified for the Indian National Olympiad in Informatics in 2021 and 2022

SKILLS

Languages: C++, C, Python, HTML&CSS, Javascript, Go

Tools: Vim, NGINX, Arch Linux, Git, SSH, CLI-tools

INTERESTS

Technical: Competitive Programming, Low-level programming, Self-hosting, Linux, Computer Vision, Computer Graphics

Non-Professional Guitar, History