

# Chirag Maheshwari

<https://chirag.cc>

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## EDUCATION

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### University of Illinois, Urbana Champaign

*BSc. in Computer Engineering*

*Courses: Numerical Analysis, Digital Systems, Data Structures and Algorithms, Engineering Probability, Linear Algebra, Differential Equations, Calculus III*

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

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### National Center for Supercomputing Applications

*SPIN Intern, Gravity Group*

Working on a new Monitoring tool for Black Hole Simulations

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

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### Imagine a Spherical Cow

<https://chirag.cc/>

Maintaining a blog, using a custom-built Static Site Generator using Jinja2 Templates and Python libraries

September 2021 - Present

### clist-cli

<https://git.chirag.cc/chir4gm/clist>

Wrote a CLI interface using Bash and jq for clist.by, a popular platform for discovering upcoming programming competitions

October 2022 - Present

### chess

<https://git.chirag.cc/chir4gm/chess>

Wrote a Chess Engine using C++, with a TUI and an AI utilizing the Min-Max algorithm with Alpha-Beta pruning

October 2022 - Present

## HONORS

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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

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

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

## INTERESTS

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

**Non-Professional** Guitar, History