





# Rithul Kamesh

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## EDUCATION

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### PES University

*B.Tech. Electronics and Communication*

August 2023 - May 2027

### BGS National Public School

March 2023

## SKILLS

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**Rust:** Comfortable with Emulation, Systems development and Embedded development.

**C/C++:** Skilled in programming Arduino-based microcontrollers and graphics development.

**TypeScript:** Frontend development with Next.js, Mobile app development with React Native.

**Python:** Comfortable with using the language to automate common tasks.

**Go:** Proficient in engineering high-performance backend servers.

**Linux:** Capable of administering a Linux server, with daily use of Arch Linux as the preferred operating system.

## PROJECTS

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### Chippy | *Rust, SDL*

<https://github.com/rithulkamesh/chippy>

- Built a CHIP-8 Emulator over a weekend.
- Developed the project in the open with minimal dependencies.
- Learned how to emulate a system from scratch.

### Ideabank | *Rust*

<https://github.com/rithulkamesh/ideabank>

- Built a CLI-based idea storing application.
- Focused on security and ease of use by using local markdown files.
- Gained knowledge on how to build CLI apps that are fast.

### Pomoflow | *TypeScript, Next.js, Firebase*

<https://github.com/rithulkamesh/pomoflow>

- Built a collaborative pomodoro timer.
- Focused on building in the open along with hassle-free use.

## EXPERIENCE

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### IEEE RAS | *Core Team / Competition body*

Feb. 2024 - Present

Part of the core team in IEEE RAS Student chapter at PES University.

### Aatmatrisha '24 | *Technical team*

Feb. 2024 - March 2024

Part of organizing PESU RR's yearly fest in the technical domain.

### Hackerspace Club | *Mentor*

Sept. 2023 – Present

Guiding new members to become proficient in Systems Programming and Web Development.

## AWARDS

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### Hack Night | *ACM - PES University EC Campus*

Oct. 2023

Won 3rd place for making the most accepted contributions in an overnight hackathon.

### Hashcode 12.0 | *PES Innovation Lab*

Mar. 2024

Qualified as Top 10 teams and won at a consolation level in a 24 hour hackathon.