


Rithul Kamesh

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Education

PES University

B.Tech. Electronics and Communication

Aug 2023 – May 2027

BGS National Public School

Higher Secondary Education

March 2023

Technical Expertise

Systems Programming: Proficient in **Rust** (Real-time DSP, Embedded Systems) and **C++** (Signal Processing, Hardware Drivers).

Digital Signal Processing (DSP): Expertise in Audio Processing, Real-time Effect Chain Design, and FFT Implementation.

Embedded Systems Development: Skilled in Microcontroller Programming, Real-time Operating Systems (RTOS), and Hardware Interfacing.

Experience

Kordlab

Founder & CEO

Nov. 2024 – Present

Remote

- Founded and developed a digital guitar effects pedal company, combining embedded systems with advanced audio processing
- Designed and implemented real-time DSP firmware using Rust and C++ for micro-controller-based effects processing

Voluntary Experience

Aatmatrisha '24

Technical Team

Feb 2024 – March 2024

PES University

- Helped development of event website
- Ideated and partially implemented a new ticketing model, streamlining 1000+ ticket entries across 2 days

dotSlash '24

Student Mentor

Jan 2024

PES University

- Mentored participants in the university's flagship hackathon
- Provided technical guidance and support to teams during the 24-hour event

Honors & Awards

Hack Night 6.0

October 2024

Second place winner in overnight hackathon at ACM - PES University

Hashcode 12.0

March 2024

Top 10 finalist across 50+ teams at PES Innovation Lab

Hack Night 5.0

October 2023

Third place winner in overnight hackathon at ACM - PES University