

Rishav Kundu

rishav.io
rk@rishav.io | +91 89615 02938

EDUCATION

INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY

B.TECH AND MS (BY RESEARCH),
COMPUTER SCIENCE. CGPA: 8.91
EXPECTED 2023 | HYDERABAD, IN

SRM UNIVERSITY

B.TECH. IN COMPUTER SCIENCE
(*Transferred to IIITH*)
2017 - 2019 | CHENNAI, IN

SKILLS

PROGRAMMING

PROFICIENT
Python • Web

INTERMEDIATE
Javascript • C++

BASIC
Rust • Java

DEVOPS

Kubernetes • Docker • Helm
Grafana • Prometheus

INTERESTS

- Python internals
- Compilers & Programming Languages
- Web Technologies
- Systems & Embedded Programming
- Networking & Storage

LINKS

GitHub:// **xrisk**
Codechef:// **xrisk**
Codeforces:// **xrisk**
LinkedIn:// **Rishav Kundu**
StackOverflow:// **xrisk**

EXPERIENCE

D.E. SHAW INDIA | INTERN

MAY 2022 - JULY 2022

- Worked on internal financial modeling language and its associated visualization platform

IIIT HYDERABAD | STUDENT SYSTEM ADMINISTRATOR

FEB 2021 - PRESENT

- Responsible for maintaining internal network and systems

AICROWD | SITE RELIABILITY ENGINEER

NOV 2021 - MARCH 2022

- Managed existing deployments and deploy new applications on Kubernetes
- Worked closely with Helm, Kubernetes, Docker, Argo CD, Grafana, Prometheus

HUMAN SCIENCES RESEARCH GROUP | STUDENT RESEARCHER

AUG 2020 - PRESENT

- Working on compiling a comprehensive history of early social media with Dr Radhika Krishnan

PROJECTS

MINIPY | END-TO-END C-LIKE COMPILER

<https://github.com/xrisk/minipy>

Built a full compiler for a minimal language resembling C. Parsing was done using ANTL4 and optimizations, x86 codegen was performed using LLVM.

RSH | BASH-LIKE SHELL

<https://github.com/xrisk/rsh>

- Implemented a minimal POSIX shell, capable of piping and full process management along with signaling support
- Used Valgrind to verify memory safety

LIBREPAD | COLLABORATIVE ONLINE IDE

<https://librepad.rishav.io/>

- Built a collaborative browser-based editor for writing code.
- Implemented a sandboxing mechanism for code execution on the server

MISC

- Active interest in CPython development, filed multiple bugs in the bpo and authored a few minor PRs. Contributor to the Black code formatter
- Bronze Python badge holder on Stack Overflow, with over a 100 answers (3400 rep)

AWARDS

2016	Qualifier	Indian National Olympiad of Informatics Training Camp (IOITC)
2018	Round 3	ABU Robocon 2018
2019	National Winner	Smart India Hackathon 2019