

# Résumé | Soham Shripad Gumaste

## EDUCATION

**BS in Computer Science** *University of Illinois Chicago*

- Expected Graduation December 2024

## WORK EXPERIENCE

**Teaching Assistant | Systems Programming**

- Helped students get a conceptual understanding of systems concepts like memory, kernels and systemcalls.
- Ensured student success in weekly lab sessions.
- Guided students to discover their own solutions for homework with weekly office hours handling 15 students in the span of an hour.

## PROJECTS

**Author** *Ethics in AI and ML*

- A descriptive summary of Ethical and Unethical uses of AI.
- Published in IJERT

**Contributor** *KeepassXC*

- Fixed and improved the User Interface written in Qt5.
- Learned to work with a large existing codebase.
- Further information at [github.com/sohamg](https://github.com/sohamg)

**Package Maintainer** *NixOS*

- Integrating packages necessary for seamless ActiveDirectory/ LDAP integration.

**Contributor** *Synapse (Matrix)*

- Added functionality to utility scripts.

## EXTRACURRICULAR

**Vice President | Linux User Group** 2022-2023

- Organized events and workshops promoting Linux and Free and Open Source Software.
- Organized a workshop on Git to teach freshmen about the Git/Github Workflow
- Working with CS Dept to deploy development servers for students using CGroups and Namespaces in the Kernel.

## TECHNICAL SKILLS

**System Administration Skills**

- Cloud Application deployment with Docker and Kubernetes.
- Networking with TCP/UDP.
- Shell scripting and automation with bash, sed, awk.
- Server automation with Ansible.
- Experience with ActiveDirectory/LDAP
- Emacs enthusiast!

**Programming Skills**

- Systems programming with C and Rust.
- Understanding of functional programming with F# and Haskell.
- Scripting experience in Perl, Python and Javascript/Typescript (NodeJS).
- Object Oriented Programming with C++ and Java.
- Database creating and querying with SQL.