

Sachin Kumar Singh

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EXPERIENCE

- **Google Summer of Code'20**

Student Developer at GNU-Astro

<https://summerofcode.withgoogle.com/projects/#4950581673721856>

The GNU project

May 2020 – August 2020 (ongoing)

- Made a library and a CLI interface to interconvert different distortion types present in different astronomical datasets providing uniformity when different software are used in an analysis pipeline.
- Working on a library to match astronomical images within large catalogs by using reverse index method. The library is highly modular than existing software and is written entirely in C making it highly scalable and efficient.
- Simultaneously working on a library to register the images within a single system making it easier to find, compare and integrate the data obtained from different measurements and surveys.

- **India Linux User Group**

Open Source contributor

<http://www.linuxdelhi.org>

Delhi NCR

- Made contributions on their messaging bot providing more functionality and improving code quality.

PROJECTS

- **QuantSoftware Toolkit** Open source python library for financial data analysis and machine learning for finance.

ACHIEVEMENTS

- **Paytm Build for India Hackathon**

Won 1st runner-up prize for building a website to be used by an educational organisation, where the same website can be used by students, teacher and administrator to organise their individual programs.

- **NIT-H CTF**

Won 2nd runner-up prize in CTF conducted by cybersecurity club of NIT-Hameerpur.

EDUCATION

- **University School of Information, Communication and Technology**

Bachelor of Technology (Information Technology); CGPA: 7.6

Relevant Coursework: Data structures and Algorithms, Software Engineering

GGSIU, New Delhi

Aug. 2018 – July. 2022 (Expected)

- **Pratap Public School**

Higher Secondary; Percentage: 93%

CGPA in 10th grade: 10

Karnal, Haryana