

ATHARVA AMRITKAR

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EDUCATION

IIT Kharagpur

Integrated M.Sc in Economics and Minor in Maths and Computing

Nov. 2020 - May 2025

CGPA 8.82/10.00

PROJECTS

Minimint | *Nix, Rust, Bash*

- Implementation of a federated Chaumian bank.
- Using Docker and Nix for deployment and build output using nix-build.

Misato | *Rust, Handlebarsjs, Other Web Development Tools*

- A static site generator in rust.
- Autogenerates blog via a markdown file.

Hikari Overlay | *Gentoo Linux, ebuilds, bash*

- An overlay of softwares that aren't available in official Gentoo linux repository

Tuxfetch | *Rust, bash, Linux*

- A cli based system information fetching utility

TECHNICAL SKILLS

Languages: Rust, Python, C, C++, Haskell, Nix,

Libraries: Tensorflow, Keras, Scikit-Learn, Numpy, Pandas, Matplotlib, Flask, Backtrader

Developer Tools: Git, Docker, Neovim, Kubernetes, Gentoo Linux, PyCharm, IntelliJ, Hydra, Bash

INTERNSHIPS

Summer of Bitcoin

April 2022 – Present

Software Developer

- Creating federated e-cash for Bitcoin
- Nix expression that builds the project's binary outputs
- Nix module in (a fork of) nix-bitcoin that allows configuration of a MiniMint federation member/server

Kharagpur Winter of Code

Dec 2021 – Feb 2022

Mentor, Organizer

- Organizing an event which has more than 800 students enrolled.
- Mentoring on a system fetch utility

Girlsript Winter of Code

Aug 2021 – Dec 2021

Mentor

- Guided students to contribute to the world's largest multilingual content repository
- Monitored documentary of Rust

Kharagpur Open Source Society

May 2021 – Present

Core Team Member

Kharagpur, West Bengal

- Organized workshops of Git and Github, Python, Linux
- Helped and Guided students to get into Open Source

Branding and Relations Cell

May. 2021 – Present

Web Developer and Student Member

Kharagpur, West Bengal

- Communicated with hundreds of seniors and compiled their achievements in UG Achievers Directory
- Made improvements and added features in website

EndeavourOS

May 2021 – Sept 2021

Developer

- Contributed to the best Linux distribution (according to distrotube)
- Helped in making, deploying and debugging several applications in this distro