

# Brahmajit Das

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## Work Experience

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### SUSE Linux GmbH

Linux developer L3 support

Hybrid

June 2023 — Present

- Analyzing issues in various SUSE-supported products
- Fixing bugs either on my own or in cooperation with subject matter experts
- Provide patches and fixes in timely manner and send patches upstream when possible
- Interact and keep-up with international team spread across various time-zones

### Google Summer of Code 2023

Remote

Student Developer at Gentoo Linux Foundation

May 2023 — August 2023

- Patch packages for C99 (Modern C) standard
- Making sure packages are C23 proof
- Patching and testing packages for libcx on llvm profile of Gentoo
- Final work report

### Google Summer of Code 2022

Remote

Student Developer at Gentoo Linux Foundation

June 2022 — September 2022

- Port GNOME Desktop for musl libc
- Fix other musl related bugs
- Took part in release engineering team with the GRS project
- Final work report

### Lifespark Tech, IIT Bombay

Firmware Developer

Remote

September 2021 — May 2023

- Primary engineer working on the project WALK
- Implementation of inter-device communication using wireless protocols (WiFi, BLE, MQTT)
- Ensuring firmware security using Secure Boot and encrypted flash storage
- Develop backend architecture for remote debugging, CI pipeline and OTA updates using AWS

### Sironaaz Lab

Embedded Systems Engineer, Intern

On site

May 2021 — September 2021

- Ported existing system to different processor architecture
- Integrate web UI instance with hardware

## Education

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### Gurudas College

B.Sc. with Honors in Computer Science; CGPA: 7.5

Kolkata, India

2018 — 2021

## Core Technical Skills

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**Programming Languages:** C, C++, L<sup>A</sup>T<sub>E</sub>X, Python

**Tools:** Git, GitLab, Docker, GDB, debuginfod

**Platforms:** Linux, BSDs, RaspberryPi

## Open Source Contributions

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**Gentoo Linux:** Neovim and LXC package maintainer, part of QA Team for GNOME Desktop environment. Provide other minor fixes from time to time. [Link to all my contributions](#)

**Blender:** Patching blender to build on musl libc. [GitHub commits](#)

**Gitlab Shell:** Changed the default logging format to **JSON** from plain text, was part of the **14.1 release**. GitLab Shell handles **git SSH sessions for GitLab** and modifies the list of authorized keys. [Merge Request 467](#).

## Achievements

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**HacktoberFest 2020:** Among 70,000 participants, awarded goodies and cash prize.

**College Seminar:** First position in college seminar. Using Arduino and HC SR04 module, created a sonar with GUI feedback.