



Harsh Mishra

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PROJECTS

I have been advocating for Open Source Software since 2019. Most of my projects are hosted on my GitHub profile.

github.com/MiHarsh

DevDoot NGO

(May 2021–June 2021)

A WebApp for easing request raising and handling.

- Features Developed included easy portal for request raising, auto-posting on Facebook / Twitter handles, auto assigning of volunteers, mobile OTP verification, writing success story, Update / Archive request status.
- Tech Stack: Flask, Firebase, Javascript, HTML, CSS, 2factor, SMTP, Facebook Developer console

AUTOVSB

(June 2021)

An Automated script to alert and book vaccine slots in India.

- A script based on browser automation that continuously scraps COVID-19 vaccine slot data, alerts you and books it for you when it's available using browser automation.
- Tech Stacks - Puppeteer, Javascript

Pytorch Fanatics

(June 2020)

A Computer Vision Library for Classification Tasks

- Created a library that includes functions such as data loading, LR Finder, Early Stopping, Logger, Saver, etc.
- Tech Stacks - Python, Pytorch

EXPERIENCES

Google Summer Of Code (GSoC) 2021

(Summer 2021)

- Improving User Experience of Frontend and enabling user Personalisation.
- Implemented features such as hide/unhide posts, report posts, enhanced the current implementation of Fake News Detection API, integrated fact-checkers, automated CI/CD tests, deployment and improved UI.
- Tech Stacks - Python, Javascript, Flask, DynamoDB, puppeteer, HTML, CSS

[GSoC Proposal](#) | [Gitlab](#) | [Gitlab-API](#)

Microsoft Engage (Teams Clone)

(June 2021 - July 2021)

- Implemented a Video Chat app (Microsoft Teams Clone), which supports basic functionalities such as video calling, messaging, screen sharing, admit requests.
- Added Custom Functionalities such as **Have-a-break**
- Tech Stacks: socket.io, WebRTC, Nodejs, Expressjs, HTML, CSS, Javascript

Research Intern

(Aug 2020– Nov 2020)

(UiT The Arctic University of Norway)

- Researched and Proposed an approach for efficient training of Autonomous Vehicle motion prediction models, beating 904 submissions by using only 10% of the total dataset.

OPEN-SOURCE CONTRIBUTIONS

- Fixed out of memory error while using update_bn in SWA (Pytorch) [[Merged](#)]
- Added auto-discovery of .test files [[Open](#)]
- Added four instant apps, Felvin-Search [[Merged](#)]
- A Total of 830 open source contributions on Github and Gitlab.

EDUCATION

Indian Institute of Technology (ISM), Dhanbad — (B.Tech) *Electronics and Communication Engineering*

JULY 2019 - MAY 2023 CGPA – 8.39

SKILLS

- Languages: Python, Javascript, C /C++
- Machine Learning: Computer Vision, NLP, Neural Networks.
- Libraries: Pytorch, OpenCV, scikit-learn, Numpy, Pandas, Fast Ai, SQLite, Puppeteer, Socketio
- Development: React JS, Node.js, Flask, NextJS, SQL, Firebase, DynamoDB, MongoDB databases, Power BI, Kusto

ACHIEVEMENTS

- Secured 2nd Rank in KDD Fake News Detection (Microsoft), Kaggle.
- Secured Bronze Medal in Inter IIT-Tech Meet 2021.
- Secured 1st rank in IIT BOMBAY TechFest
- Secured 3rd rank in HackFest IIT Dhanbad
- Secured 6th Rank in SIIM-ISIC Melanoma Classification Competition, Kaggle.
- Secured 31st Rank in Lyft Autonomous Vehicle motion prediction.

VOLUNTEER EXPERIENCE

- [Winter Of Code 3.0](#):
 - Mentored a total of 50+ students for Machine Learning Projects, and overall a total of 180+ students of IIT Dhanbad.
- [CyberLabs](#):
 - We organize workshops, and hands-on sessions (Git, Python, Android, Linux etc.), and organize seminars for Open Source Programs.
- Member of CyberLabs (Machine Learning Division), RoboISM, Data-Science Club IIT (ISM) Dhanbad
- [Google Summer of Code 2022](#): I am a GSoC mentor this year, helping one GSoC students continue the work on my GSoC 2021 project: Social Street Smart - Improving the user experience of Frontend and enabling Personalisation