

# YASH LAMBA

Software Developer

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## EXPERIENCE

### HackerRank (Interviewstreet Pvt. Ltd.)

Jun 2021 – Present

Software Development Engineer Intern

Remote

- Working with Developer Experience team on HackerRank for Work platform to improve plagiarism detection
- Involved in optimizing data extraction, processing and analysis to improve the core model and architecture
- Developing back-end architecture for smooth deployment of new models to production
- Tech Stack: **Ruby on Rails, AWS, Python, Various Machine Learning frameworks, Docker and Javascript**

### Python Software Foundation

May 2019 — Sep 2019

Google Summer of Code Student Developer

Remote

- **Contributed** to Intel's **DFFML** (Dataflow Facilitator for Machine Learning) project
- Added support for new machine learning models from scratch along with fixing issues related to data IO
- Collaborated with team members using version control systems such as Git to organize modifications and assign tasks
- Built the `dffml-model-scikit` plugin which wrapped the `scikit-learn` library to increase DFFML's model options

### Addmath Research Centre Pvt. Ltd.

Dec 2018 – Jan 2019

Research and Development Intern

New Delhi, Delhi

- Assisted in teaching school children mathematics in an interactive way
- Based on teaching experience, worked on tools and software (automation scripts, interactive apps, etc.) to assist in better learning

## EDUCATION

### Cluster Innovation Centre, University of Delhi

Jun 2018 – Jun 2022

Bachelor of Technology in Information Technology (Score: 83.6%)

New Delhi, Delhi

## PROJECTS

### Simulate 📄 | Flutter, Dart, Python, GitHub Actions

Jun 2019

- Simulate is a collection of simulations and visualizations in a cross platform app based on Flutter
- Collaborative project with more than 15 contributors
- Available to use as a web app. Supports iOS, Android and Web

### Handwrite 📄 | Python, Docker, Flask, Unicorn, Heroku, React, Typography, OpenCV

Dec 2020

- Handwrite generates a custom font based on your handwriting which can be used in text editors
- Available as a Python Package (With over 5k downloads) and a Web App

### BoxIt | Flutter, Dart, NodeJS, Web Sockets, GitHub Actions

Apr 2021

- Recreated the popular pen-and-paper game "Dots and Boxes" with Flutter for web with multiplayer support
- Can be played by 2-4 players on any web browser

### Other Projects | Varied Stacks

- **Python GUI Development:** Developed few mini simulations and games using Python tkinter
- **Road Fightet AI:** Remade NES game Road Fighter in Python. Created AI agents with Deep Q learning and NEAT
- **COVID-19 Time Series Analysis:** Analysed and predicted COVID-19 time series using deep learning

## TECHNICAL SKILLS

**Languages:** Python, Ruby, C++, Javascript, Dart, SQL

**Tools and Frameworks:** Flask, NodeJS, Firebase, Heroku, Docker, AWS, Elasticsearch, MongoDB, Ruby on Rails, Tensorflow, Flutter, Git, ReactJS, MySQL, CI/CD (Travis, Jenkins, GitHub actions)

**Interests:** Back-end Development, DevOps, Software Design, Machine Learning, Cross Platform Development, Open Source, Education and Teaching

## OTHER (ACHIEVEMENTS, OPEN SOURCE, ETC.)

- **Maintainer - Intel's DFFML Project:** Contributed to Windows support and CI/CD architecture of DFFML. Mentored 2 students under Google Summer of Code'20.
- Personal project Simulate selected for open source program GirlsScript Summer of Code in 2020 and 2021. Mentored more than 80 students.
- 1st runner up, Smart India Hackathon 2019; Worked on a problem statement regarding GDPR rules in travel sites by Amadeus Software Labs.