

YASH LAMBA

Software Developer

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EXPERIENCE

Software Development Engineer (Intern)

HackerRank (Interviewstreet), Remote

📅 JUNE 2021 - PRESENT

- Working with Developer Experience team on HackerRank for Work platform.
- Involved in building a better plagiarism detection model and data analysis.
- Developing the backend architecture for deployment of the new model to production.
- Tech Stack: Ruby on Rails, AWS, Python, Docker and Javascript.

Mentor - Google Summer of Code'20

Python Software Foundation, Remote

📅 APRIL 2020 - SEPTEMBER 2020

- Mentored student developers for Intel's [DFFML](#) project.
- Projects involved adding [NLP](#) and [Computer Vision](#) support to DFFML.
- Actively involved in brainstorming, planning, and code reviewing.

Student Developer - Google Summer of Code'19

Python Software Foundation, Remote

📅 MAY 2019 - AUGUST 2019

- [Contributed](#) to Intel's [DFFML](#) (Dataflow Facilitator for Machine Learning) project.
- Added machine learning models from scratch.
- Wrapped models from scikit learn and implemented dynamic config definition.

Research and Development Intern

Addmath Research Centre Pvt. Ltd., Delhi, India

📅 DECEMBER 2018 - FEBRUARY 2019

- Assisted in teaching school children mathematics in an interactive way.
- Based on teaching experience, built tools and software to assist teaching.

PROJECTS

Simulate (Flutter and Dart)

🔗 yashlamba.com/simulate

🐱 github.com/cod-ed/simulate

Collection of simulations and visualizations in a cross platform app based on Flutter. Available to use as a web app. Supported on iOS, Android and Web.

Road Fighter AI (Python, Artificial Intelligence, Neuroevolution, Deep Learning)

🔗 yashlamba.com/RoadFighterAI

🐱 github.com/yashlamba/RoadFighterAI

Remade popular NES game Road Fighter using pygame. Created AI agents using multiple reinforcement learning techniques like Deep Q learning and NEAT.

Handwrite (Python, Typography, Image Processing)

🔗 yashlamba.com/handwrite

🐱 github.com/cod-ed/handwrite

Handwrite generates a custom font based on your handwriting sample which can easily be used in text editors and word processors.

EDUCATION

Cluster Innovation Centre, University of Delhi

Bachelor's of Technology in Information Technology and Mathematical Innovations (Minor: Systems Biology)

📅 2018 - 2022 (Expected)

Score: 80.8%

Prabhu Dayal Public School

High School - PCM with Computer Science

📅 GRADUATED MAY 2018

Class X: 10.0 CGPA

Class XII: 89.8%

SKILLS

- **Programming Languages:** Python, Java, Ruby, C++, Javascript, Dart, SQL.
- **Frameworks and Tools:** Flask, Firebase, Heroku, Docker, AWS, Kubernetes, MongoDB, Ruby on Rails, Tensorflow, Flutter, Git, GitHub actions, CI/CD.
- **Interests:** DevOps, Software Design, Machine Learning, Computer Vision, Cross Platform Development, Education and Teaching.

ACHIEVEMENTS

- 1st runner up, Smart India Hackathon 2019; Worked on a problem statement regarding GDPR rules in travel sites by Amadeus Software Labs.
- Received scholarship from Udacity-KPIT for completing term-1 of Self Driving Car Nanodegree.
- Selected as Google Code In'19 mentor for Tensorflow.
- **GirlScript Summer of Code:** Personal project Simulate selected for open source program GSSoC. Volunteered as Project Admin'20 and Mentor'21.

Miscellaneous (Course and Mini projects)

Varied stacks

- Python GUI Development: Developed few mini simulations and games using Python tkinter.
- BoxIt: Multiplayer dot connecting game made using Flutter and Firebase.
- COVID-19 Time Series Analysis with Deep Learning: Implemented multiple time series predicting deep learning architectures for COVID-19 analysis.
- **Research Publication:** Garg, S., Anand, A., Lamba, Y. et al. Molecular docking analysis of selected phytochemicals against SARS-CoV-2 Mpro receptor. Vegetos 33, 766-781 (2020).
- Maintainer DFFML: Authored the [dffml scikit plugin](#) under GSoC'19 along with [other contributions](#). Contributing to code reviews, devops and design.