

# HARSH BARDHAN MISHRA

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## EDUCATION

**Sathyabama Institute of Science and Technology**  
Junior, B.E. Computer Science and Engineering | CGPA: 9.3

Chennai, Tamil Nadu  
August 2018 – Expected July. 2022

## EXPERIENCE

### Red Hat

Bengaluru, India

Product Documentation Intern

January 2021 – Present

- Worked with the Customer Content Services Team while troubleshooting bugs and improving content quality.
- Author flexible and modular Documentation for the OpenShift Container Platform and Developer Tool-Sets.

### Major League Hacking

Remote

Student Developer

September 2020 – December 2020

- Participated in 6 Global Hackathons and created Open-Source projects, as part of a global Fellowship Program.
- Built Helping-Hands and WebEdge to help visually impaired people and perform SEO Analysis respectively.

### Qxf2

Remote

Software Engineering Intern

July 2020 – October 2020

- Developed an Internal Survey Application with React, FastAPI, and Neo4j and deployed on AWS EC2.
- Automated the conversion of Quilt to Neo4j and wrote Selenium Scripts to automate Web Application Testing.

## PROJECTS

### WebFlux: Automated Search Engine Optimization [NextJS, Flask, Beautiful Soup, Python]

January 2021

- Developed a CLI tool for scrapping and dumping Markup Content from Websites for intelligent analysis.
- Incorporated RESTful abstraction layer APIs using Flask, with efforts being made to minimize server latency.

### QuizIt: Server-Less Quiz Builder Application [ReactJS, AWS Amplify, GraphQL, DynamoDB]

November 2020

- Innovated the development of a Quiz Builder App, to build and share quizzes, using ReactJS and Amplify.
- Introduced the GraphQL Endpoints using AppSync and devised a NoSQL Schema to add Public Quizzes.

### Qxf2 Survey: Employee-Centric Survey Application [ React, Neo4j, FastAPI, AWS EC2, NGINX ]

October 2020

- Built a Survey Application using ReactJS and FastAPI used by all employees for professional engagements.
- Chalked out Graph Schema on Neo4j and configured CI/CD using Github Actions and Docker for deployment over EC2.

### NewsFresh: Tracking and identifying Fake News [ Django, Sklearn, NLTK, Bootstrap, MySQL ]

March 2020

- Devised Machine Learning Models via Sklearn and NLTK to detect Fake News, through Ensemble Learning.
- Implemented Web Scrappers to scrap News Articles in real-time and assisted in development of the Web Interface.

## RELEVANT SKILLS

<b>Languages:</b>	Python   Javascript   Java   HTML/CSS   C++
<b>Frameworks:</b>	Django   Flask   React   Tensorflow   Sklearn   Express   NodeJS
<b>Platforms:</b>	Linux   Amazon Web Services   Google Cloud Platform   OpenShift   Heroku
<b>Tools:</b>	Git   MySQL   SQLite   Neo4j   Selenium   Amplify   Docker   Github Actions

## AWARDS AND ACHIEVEMENTS

<b>Hackathons:</b>	MLH Fellowship Sprint 0 and Sprint 4 Winner   Hack4Good and Hack Infinity 2.0 Runner-Up
<b>Competitions:</b>	Winner of Competitive Coding by School of Computing   Google Cloud Platform Champ
<b>Scholarships:</b>	Bertelsmann Tech Scholarship   Intel Edge AI Scholarship   Nutanix Hybrid Cloud Scholarship

## VOLUNTEER EXPERIENCE

<b>Technical Lead at Developer Student Club</b>	Lead and Managed the Technical Community at DSC-Sathyabama.
<b>Microsoft Learn Student Ambassador</b>	Organized events and delivered sessions reaching over 10,000+ Students.
<b>Open-Source Mentor</b>	Mentored Student Developers at OpenMined, CodeWay and WooTech.